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# Annual Report

of the  
Director of the Mint



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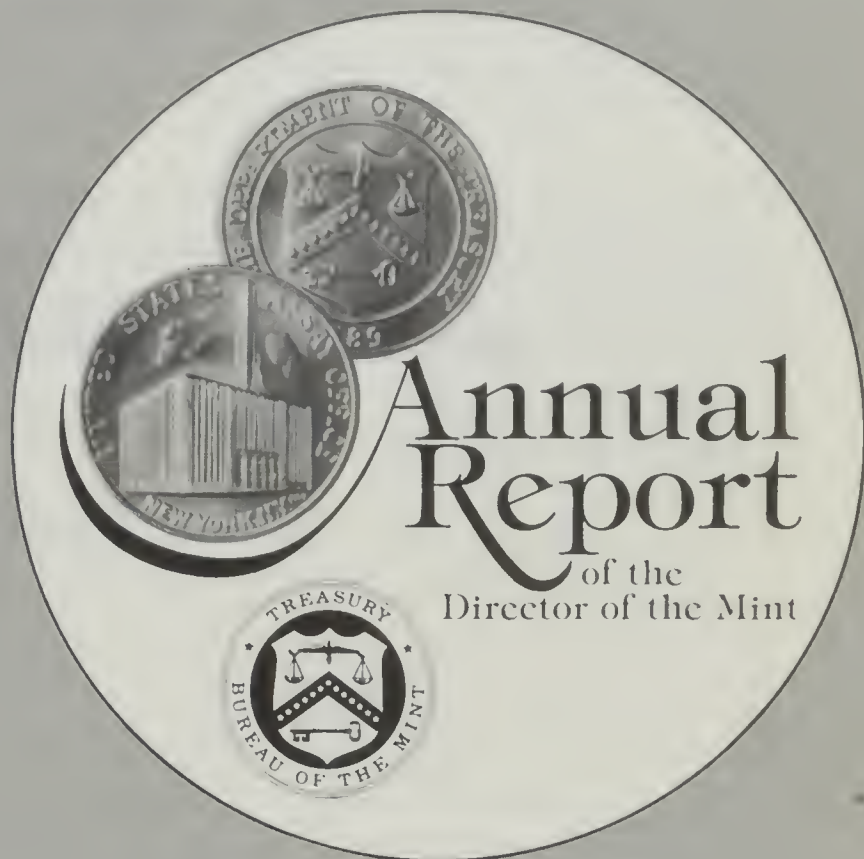
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Fiscal Year Ended September 30, 1977  
Department of the Treasury







Fiscal Year Ended  
September 30, 1977

Department of the Treasury  
Bureau of the Mint  
Washington, D.C. 20220

DEPARTMENT OF THE TREASURY

DOCUMENT NO. 3274

*Director of the Mint*



## LETTER OF TRANSMITTAL

DEPARTMENT OF THE TREASURY,  
BUREAU OF THE MINT,

*Washington, D.C. July 28, 1978.*

SIR: I have the honor to transmit to you the One Hundred and Fifth Annual Report of the Director of the Mint, for the fiscal year ended September 30, 1977. This submission is in compliance with Section 345 of the Revised Statutes of the United States, 2d edition (1878) 31 U.S.C. 253.

STELLA B. HACKEL,  
*Director of the Mint.*

HON. W. MICHAEL BLUMENTHAL,  
*Secretary of the Treasury.*



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Secretaries of the Treasury, 1834–1977

The U.S. Mint was under the supervision of the Secretary of State from its establishment in 1792 to 1799. It then became an independent agency reporting directly to the President of the United States. The act of March 3, 1835 (4 Stat. 774) stated that the Director of the Mint was to direct the business of the Mint “—subject to the approbation of the Secretary of the Treasury—.” Later the Director was authorized to report to the President of the United States and to the Secretary of the Treasury. The act of February 12, 1873 (31 U.S.C. 251, 253) established the Mint as a bureau within the Department of the Treasury.

Term of service		Secretaries of the Treasury	Served under—
From—	To—		President
July 1, 1834	Mar. 3, 1841	Levi Woodbury, New Hampshire .....	Jackson, Van Buren.
Mar. 6, 1841	Sept. 11, 1841	Thomas Ewing, Ohio .....	Harrison, Tyler.
Sept. 13, 1841	Mar. 1, 1843	Walter Forward, Pennsylvania.....	Tyler.
Mar. 8, 1843	May 2, 1844	John C. Spencer, New York <sup>1</sup> .....	Tyler.
July 4, 1844	Mar. 7, 1845	Geo. M. Bibb, Kentucky .....	Tyler, Polk.
Mar. 8, 1845	Mar. 5, 1849	Robert J. Walker, Mississippi.....	Polk.
Mar. 8, 1849	July 22, 1850	Wm. M. Meredith, Pennsylvania .....	Taylor, Fillmore.
July 23, 1850	Mar. 6, 1853	Thos. Corwin, Ohio.....	Fillmore.
Mar. 7, 1853	Mar. 6, 1857	James Guthrie, Kentucky .....	Pierce.
Mar. 7, 1857	Dec. 8, 1860	Howell Cobb, Georgia.....	Buchanan.
Dec. 12, 1860	Jan. 14, 1861	Philip F. Thomas, Maryland.....	Buchanan.
Jan. 15, 1861	Mar. 6, 1861	John A. Dix, New York .....	Buchanan.
Mar. 7, 1861	June 30, 1864	Salmon P. Chase, Ohio .....	Lincoln.
July 5, 1864	Mar. 3, 1865	Wm. P. Fessenden, Maine .....	Lincoln.
Mar. 9, 1865	Mar. 3, 1869	Hugh McCulloch, Indiana <sup>2</sup> .....	Lincoln, Johnson.
Mar. 12, 1869	Mar. 16, 1873	Geo. S. Boutwell, Massachusetts .....	Grant.
Mar. 17, 1873	June 3, 1874	Wm. A. Richardson, Massachusetts .....	Grant.
June 4, 1874	June 20, 1876	Benj. H. Bristow, Kentucky .....	Grant.
July 7, 1876	Mar. 9, 1877	Lot M. Morrill, Maine.....	Grant, Hayes.
Mar. 10, 1877	Mar. 3, 1881	John Sherman, Ohio .....	Hayes.
Mar. 8, 1881	Nov. 13, 1881	Wm. Windom, Minnesota <sup>3</sup> .....	Garfield, Arthur.
Nov. 14, 1881	Sept. 4, 1884	Chas. J. Folger, New York .....	Arthur.
Sept. 25, 1884	Oct. 30, 1884	Walter Q. Gresham, Indiana.....	Arthur.
Oct. 31, 1884	Mar. 7, 1885	Hugh McCulloch, Indiana <sup>2</sup> .....	Arthur, Cleveland.
Mar. 8, 1885	Mar. 31, 1887	Daniel Manning, New York.....	Cleveland.
Apr. 1, 1887	Mar. 6, 1889	Chas. S. Fairchild, New York.....	Cleveland, Harrison.
Mar. 7, 1889	Jan. 29, 1891	Wm. Windom, Minnesota <sup>3</sup> .....	Harrison.
Feb. 25, 1891	Mar. 6, 1893	Chas. Foster, Ohio.....	Harrison, Cleveland.
Mar. 7, 1893	Mar. 5, 1897	John G. Carlisle, Kentucky.....	Cleveland, McKinley.
Mar. 6, 1897	Jan. 31, 1902	Lyman J. Gage, Illinois.....	McKinley, Roosevelt.
Feb. 1, 1902	Mar. 3, 1907	L.M. Shaw, Iowa .....	Roosevelt.
Mar. 4, 1907	Mar. 7, 1909	George B. Cortelyou, New York .....	Roosevelt.
Mar. 8, 1909	Mar. 5, 1913	Franklin MacVeagh, Illinois .....	Taft.
Mar. 6, 1913	Dec. 15, 1918	W. G. McAdoo, New York.....	Wilson.
Dec. 16, 1918	Feb. 1, 1920	Carter Glass, Virginia.....	Wilson.
Feb. 2, 1920	Mar. 3, 1921	David F. Houston, Missouri.....	Wilson.
Mar. 4, 1921	Feb. 12, 1932	Andrew W. Mellon, Pennsylvania.....	Harding, Coolidge, Hoover.
Feb. 13, 1932	Mar. 3, 1933	Ogden L. Mills, New York .....	Hoover.
Mar. 4, 1933	Dec. 31, 1933	William H. Woodin, New York.....	Roosevelt.
Jan. 1, 1934	July 22, 1945	Henry Morgenthau, Jr., New York .....	Roosevelt, Truman.
July 23, 1945	June 23, 1946	Fred M. Vinson, Kentucky.....	Truman.
June 25, 1946	Jan. 20, 1953	John W. Snyder, Missouri.....	Truman.
Jan. 21, 1953	July 28, 1957	George M. Humphrey, Ohio .....	Eisenhower.
July 29, 1957	Jan. 20, 1961	Robert B. Anderson, Connecticut .....	Eisenhower.
Jan. 21, 1961	Apr. 1, 1965	Douglas Dillon, New Jersey.....	Kennedy, Johnson.
Apr. 1, 1965	Dec. 20, 1968	Henry H. Fowler, Virginia.....	Johnson.
Dec. 21, 1968	Jan. 20, 1969	Joseph W. Barr, Indiana.....	Johnson.
Jan. 22, 1969	Feb. 10, 1971	David M. Kennedy, Illinois .....	Nixon.
Feb. 11, 1971	June 12, 1972	John B. Connally, Texas.....	Nixon.
June 12, 1972	May 8, 1974	George P. Shultz, New York .....	Nixon.
May 8, 1974	Jan. 20, 1977	William E. Simon, New Jersey.....	Nixon, Ford.
Jan. 23, 1977	.....	W. Michael Blumenthal, Michigan .....	Carter

<sup>1</sup>Spencer resigned as Secretary of the Treasury May 2, 1844; McClintock Young (Chief Clerk), was ad interim Secretary of the Treasury from May 2 to July 3, 1844.

<sup>2</sup>Hugh McCulloch was Secretary from Mar. 9, 1865, to Mar. 3, 1869, and from Oct. 31, 1884, to Mar. 7, 1885.

<sup>3</sup>William Windom was Secretary from Mar. 8, 1881, to Nov. 13, 1881, and also from Mar. 7, 1889, to Jan. 29, 1891.

## Directors of the United States Mint 1792-1977

The Director of the Mint is appointed by the President of the United States, by and with the advice and consent of the Senate. The length of the term of office was not fixed by law from 1792 to 1873. The Act of February 12, 1873, fixed the term of the Director at 5 years. However, there is no restriction on the reappointment of Directors.

Term of service				Directors of the Mint
From—		To—		
Apr.	1792	June	1795	David Rittenhouse, Pennsylvania.
July	1795	Oct.	1795	Henry William de Saussure, South Carolina.
Oct.	1795	July	1805	Elias Boudinot, New Jersey.
Jan.	1806	July	1824	Robert Patterson, Pennsylvania.
July	1824	July	1835	Samuel Moore, Pennsylvania.
July	1835	July	1851	Robert Maskell Patterson, Pennsylvania.
July	1851	Apr.	1853	George N. Eckert, Pennsylvania.
Apr.	1853	May	1853	Thomas M. Pettit, Pennsylvania. <sup>1</sup>
June	1853	Apr.	1861	James Ross Snowden, Pennsylvania.
May	1861	Sept.	1866	James Pollock, Pennsylvania.
Oct.	1866	Apr.	1867	William Millward, Pennsylvania. <sup>2</sup>
Apr.	1867	Apr.	1869	Henry Richard Linderman, Pennsylvania.
May	1869	Mar.	1873	James Pollock, Pennsylvania.
Apr.	1873	Dec.	1878	Henry Richard Linderman, Pennsylvania.
Feb.	1879	June	1885	Horatio C. Burchard, Illinois.
July	1885	Oct.	1889	James P. Kimball, Pennsylvania.
Oct.	1889	May	1893	Edward O. Leech, District of Columbia.
Nov.	1893	Feb.	1898	Robert E. Preston, District of Columbia.
Feb.	1898	July	1907	George E. Roberts, Iowa.
Sept.	1907	Nov.	1909	Frank A. Leach, California.
Nov.	1909	June	1910	A. Piatt Andrew, Massachusetts.
July	1910	Nov.	1914	George E. Roberts, Iowa.
Mar.	1915	July	1916	Robert W. Woolley, Virginia.
Sept.	1916	Feb.	1917	F.J.H. von Engelken, Florida.
Mar.	1917	Mar.	1922	Raymond T. Baker, Nevada.
Mar.	1922	Sept.	1923	F.E. Scobey, Texas.
Nov.	1923	May	1933	Robert J. Grant, Colorado.
May	1933	Apr.	1953	Nellie Tayloe Ross, Wyoming.
July	1954	Jan.	1961	William H. Brett, Ohio.
Oct.	1961	Aug.	1969	Eva Adams, Nevada.
Sept.	1969	Feb.	1977	Mary Brooks, Idaho.

<sup>1</sup>Died in office.

<sup>2</sup>President Andrew Johnson appointed William Millward Director in October 1866 while the Senate was in recess. The President forwarded his nomination for the position of Director in a letter to the Senate dated Jan. 2, 1867. The Senate rejected the nomination on Jan. 26, 1867. However, William Millward remained in the Mint until the confirmation of Director Linderman.



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**MINT OPERATIONS, FISCAL YEAR 1977**

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## Mint Operations

### Introduction

The Mint became an operating bureau of the Department of the Treasury in 1873, pursuant to the Coinage Act of 1873 (31 U.S.C. 251). All U.S. coins are manufactured at Mint institutions. The Bureau of the Mint distributes the coins to and among the Federal Reserve banks and branches, which in turn release them, as required, to commercial banks. In addition, the Mint maintains physical custody of Treasury gold and silver assets; handles various deposit transactions including inter-Mint transfers of bullion; refines and processes gold and silver bullion; and, moves, places into storage, and releases them from custody for such purposes as authorized. Functions performed by the Mint on a reimbursable basis during the fiscal year 1977 included: The manufacture and sale of the regular annual proof and uncirculated coin sets; the manufacture and sale of medals of a national character, as well as the sale of Bicentennial proof and uncirculated coin sets; and, as schedules permitted, the manufacture of foreign coins.

### Organization

The headquarters of the Bureau of the Mint is located in Washington, D.C. The operations necessary for the conduct of the business of the Mint are performed at seven field facilities. Mints are located in Philadelphia, Pa. and Denver, Colo.; assay offices are in New York, N.Y. and San Francisco, Calif.; bullion depositories are situated at Fort Knox, Ky. (for gold) and West Point, N.Y. (for silver); the Old Mint, San Francisco, houses the Mint Data Center, the Mint Museum, and a numismatic order processing operation. The U.S. Assay Office, San Francisco, operates as a mint. The West Point Depository, an adjunct of the New York Assay Office, continued to produce coins during this period.

The number of employees in the headquarters and field installations decreased from 12,939 on September 30, 1976, to 2,525 on September 30, 1977.

Mrs. Mary T. Brooks, who had become Director of the Mint in September 1969, resigned her office, effective February 11, 1977. The appointment of a new director was pending as of September 30, 1977.

The Continuing Committee for the Audit of U.S.-owned gold located at the various Mint offices, at appropriate intervals, had been established

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<sup>1</sup>Revised.

during fiscal 1976. The Committee was established pursuant to an order from the Secretary of the Treasury. It consists of one representative each from the Bureau of the Mint, the Bureau of Government Financial Operations, and the Federal Reserve Bank of New York. The General Accounting Office was invited to participate in the audits as observers. Under the Committee's program, an audit was conducted at each of the four Mint depositories where gold is stored (Fort Knox, Ky.; U.S. Assay Office, New York; U.S. Assay Office, San Francisco; and the Denver Mint). By September 30, 1977, about 30 percent of the gold stored at Mint depositories had been audited and found intact. The continuing audit is planned to provide a complete audit for all U.S.-owned gold over a 10-year cycle ending in 1984.

In addition to audits of gold, the Internal Audit Staff performed audits of security equipment, disbursement vouchers, numismatic coin order processing, travel and training expenditures, payrolls, appropriation accounting, inventory control, contract proposals, ADP, and monetary accounting.

During the fiscal year 1977, annual settlements were made at Mint installations by settlement committees composed of internal auditors supported by Mint technicians. In order to accomplish the settlements with a minimum loss of production time, settlements were conducted at the mints at Philadelphia and Denver and the Assay Office at San Francisco during February 1977, when the plants were shut down because of the natural gas shortage. This action averted a second shutdown for settlement. The annual settlement at the U.S. Assay Office at New York was conducted in June 1977.

It is anticipated that annual recurring savings in excess of \$39,000 will be realized as a result of an audit recommendation to discontinue the unnecessary rental of warehouse space for coinage strip. The restriction of orders of commercially fabricated coinage strip to the requirements of the Philadelphia Mint and the storage capacity of an off-site warehouse are expected to result in additional savings to the Bureau of the Mint.

The function of the Mint security program is to provide appropriate and continuous protection for all employees and assets under the jurisdiction of the Bureau of the Mint. This is accomplished by the Mint Security Force, supported by extensive and sophisticated electronic and mechanical alarm systems, closed-circuit television coverage, and special vaults or other controlled locking devices. Security staffs also monitor the Bureau's personnel security clearance program.

The Mint continued to utilize the high quality police-type basic training of the Federal Law Enforcement Training Center, Glynco, Georgia. During the year, 80 Mint security officers completed the 5-week course at this facility.



Installation of closed-circuit television surveillance systems was completed at the Denver Mint, the assay offices at New York and San Francisco, and at the West Point Bullion Depository. The alarm systems at these locations were modernized.

Work was progressing on the installation of similar equipment at the Philadelphia Mint, at the fiscal yearend.

### **Coinage Activities**

#### **Coinage study**

In December 1976, Secretary of the Treasury Simon transmitted a report on "The State of the United States Coinage" to the President of the Senate and the Speaker of the House of Representatives. The report recommended two changes in our coinage system. First, it noted the diminishing utility of the 1-cent coin in the Nation's commerce and that its increased production costs suggested giving serious consideration to its elimination from our coinage system. Second, the report recommended the replacement of the existing dollar coin with a smaller sized coin, as well as the elimination of the half dollar from the Nation's circulating denominations. No action had been taken on this report before the administration changed in January 1977.

In March 1977, the Chairman of the House Subcommittee on Historic Preservation and Coinage, Committee on Banking, Finance and Urban Affairs, requested the views of the Department on the report from Secretary Blumenthal.

On April 7, 1977, the Secretary responded by letter<sup>1</sup> which set forth the position of the Treasury Department in this Administration.

#### **Domestic coinage**

Production of the Bicentennial design coins bearing the dates 1776-1976 was terminated, by a decision of the Secretary of the Treasury, on December 31, 1976. From fiscal year 1975 when these coins were first manufactured through calendar year 1976 the following quantities were produced: 220,565,274 dollars; 521,873,248 half dollars, and 1,669,902,839 quarters.

During fiscal year 1977 U.S. mint installations produced for general circulation cupronickel clad dollars, half dollars, quarters, and dimes, cupronickel 5-cent pieces, and 1-cent coins composed of 95 percent copper, 5 percent zinc. The Philadelphia Mint produced 4,612,773,000 coins with a face value of \$263,729,150; the Denver Mint manufactured 5,567,349,495 coins with a face value of \$242,996,903; the West Point Bullion Depository made 6,376,000 quarter dollar coins and 1,389,850,000 1-cent pieces, with a face value amounting to \$15,492,500. These facilities

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<sup>1</sup> See exhibit 15.

of the Mint manufactured a total of 11,576,348,495 coins for general circulation with a face value of \$522,218,553 during the fiscal year.

The United States Assay Office at San Francisco manufactured regular proof coin sets and continued to assemble 40-percent silver Bicentennial proof and uncirculated sets for delivery, as required. A total of 22,722,912 proof coins with a face value of \$7,233,346 were produced during the fiscal year, in addition to the 398,449 sets of three Bicentennial coins that were delivered during the year.<sup>2</sup> All of these numismatic coins bore the “S” mintmark.

1977 Annual Assay Commission

The Act of April 12, 1792, which established the United States Mint, also provided for the Annual Assay Commission. It is believed that the Assay Commission has met almost every year since 1792. The law provides that the Assay Commission shall be composed of the Judge of the District Court for the Eastern District of Pennsylvania, the Comptroller of the Currency, the Assayer of the New York Assay Office, and such other persons as the President shall designate. The Commission meets on the second Wednesday in February at the Philadelphia Mint for the purpose of verifying the quality of U.S. coins. In 1977, for the first time since 1834, no public members were appointed to the Assay Commission. Coins reserved from each mint’s regular production of the previous calendar year are examined and tested. From the cupronickel clad coins one piece was selected at random from every 100,000 pieces or fractional part thereof. The coins selected are sealed in envelopes and forwarded for the annual assay of coins.

The following table indicates the coins that were reserved during calendar year 1976 for the February 9, 1977, meeting of the Annual Assay Commission. The Commission reported at the conclusion of the proceedings that the trial of the coins was satisfactory in all respects.

*Annual assay coins reserved at various mints during the calendar year 1976*

Denomination	Philadelphia Mint		Denver Mint		San Francisco Assay Office	
	Pieces	Value	Pieces	Value	Pieces	Value
Cupronickel clad dollars .....	358	\$358.00	328	\$328.00	66	\$66.00
Silver clad dollars.....					24	24.00
Cupronickel clad half dollars	1,437	718.50	1,442	721.00	66	33.00
Silver clad half dollars.....					24	12.00
Cupronickel clad quarter dol- lars.....	7,435	1,858.75	9,702	2,425.50	66	16.50
Silver clad quarter dollars...					24	6.00
Cupronickel clad dimes .....	11,393	1,139.30	13,855	1,385.50	38	3.80
Total .....	20,623	4,074.55	25,327	4,860.00	308	161.30

<sup>2</sup> See table 1.



The traditional Assay Commission medal had been prepared before the President decided that public members would not participate in the 1977 meeting. The obverse of the 3-inch oval pewter medal bore the likeness of Martha Washington. Her portrait had been designed originally in 1964 by Edward Grove, then a member of the Mint Staff; it was executed for this medal by Phillip Fowler of the Philadelphia Mint engraving staff. The reverse of the 1977 Assay medal was executed by Matthew Peloso of the Mint engraving staff using a view of the First United States Mint, originally designed by Frank Gasparro, Mint Chief Sculptor Engraver. The accompanying illustration presents both sides of the medal.



1977 Assay Commission Medal

#### Stock and distribution of U.S. coinage

The face value of the stock of U.S. fractional coins outstanding on September 30, 1977, was \$9,506,008,000, of which \$364,756,378 was held by the Treasury, \$264,441,342 was held by the Federal Reserve banks, and \$8,876,810,280 in circulation.<sup>3</sup> On the same date \$614,735,000 worth of cupronickel clad dollars were outstanding. Of these \$53,531,400 was held by the Treasury, \$44,053,879 was held by Federal Reserve banks, and \$517,149,721 was in circulation.<sup>4</sup>

Standard silver dollars outstanding remained at \$481,781,898 throughout the fiscal year.

The Bureau of the Mint distributes coins for general circulation through the 12 Federal Reserve banks and their 25 branches and the U.S.

<sup>3</sup> See table 8.

<sup>4</sup> See table 9.



Treasury, Washington, D.C. During fiscal year 1977 the Mint shipped 10,705,800,000 coins with a face value of \$469,261,000 to these facilities.<sup>5</sup>

Mint inventories of coins reached 4,611,700,000 on September 30, 1977, compared with 3,741,300,000 at the end of September 1976.<sup>6</sup>

### Foreign coinage

The U.S. Mint manufactured coinage for four foreign countries during fiscal 1977: Haiti, Panama, Peru, and the Philippines.<sup>7</sup>

Through December 31, 1976, U.S. mints had produced a total of 11,114,126,256 coins for 42 foreign countries.

### Technology

The Office of Technology completed trial strikes on three proposed versions of a small dollar coin, bearing the Liberty obverse and the new eagle reverse. One version had an 11-sided inside border. The second had a groove near the border to aid vendors to discriminate against slugging. The third version was plain. Materials other than cupronickel clad copper were given detailed consideration; however the cupronickel clad material presently used for the dime, quarter, half dollar, and dollar was judged most suitable for the proposed coin.



Liberty Head experimental dollar featuring 11-sided inside border

<sup>5</sup> See table 6.

<sup>6</sup> See table 7.

<sup>7</sup> See table 15.

Both the obverse and reverse designs of the proposed smaller dollar coin featuring the stylized Liberty head incorporating an 11-sided inside border to aid distinction by the public is shown above .

The Mint through the facilities of its Laboratory in Washington continued to provide technical expertise on the authenticity of U.S. coins. During the fiscal year a total of 1,705 questioned coins relative to 161 cases were examined for the U.S. Secret Service and other law enforcement agencies. A member of the Technical Staff testified in three court cases pertaining to the authenticity of U.S. coins. The Office of Technology assisted the Secret Service by providing information and technical analysis of 25-cent slugs. A policy and procedure was mutually developed for the return of gold bullion contained in counterfeit gold coins confiscated from innocent collectors.

A study was completed on the use of cupronickel scrap alloy as a substitute for the more expensive, higher nickel content alloy now used for 5-cent coinage. The results showed that while the clad scrap alloy has advantages over the current alloy in all phases of strip and coin production, coins manufactured of this material would be rejected by a significant number of current 5-cent coin discriminating devices. The change would, therefore, be opposed by the automatic merchandising industry. Furthermore, it was determined that resistance is slightly inferior to the current 5-cent alloy.

Chrome-plated dies of the reverse of 1-cent and 5-cent coins that had been used for proof coins and retired for wear are now being used to produce circulating coins. In addition to saving the cost of producing new dies, previous testing showed die life to be equal or superior to unplated dies. Tests during the fiscal year on 25-cent, 50-cent, and 1-dollar retired reverse proof dies have also yielded above average die life. Testing to determine the feasibility of chrome plating all dies used for circulating coinage is in progress. Chrome plating cost will be weighed against possible increase in die life.

Testing of nine current and potential coinage materials including several stainless steel alloys was completed. The results will aid in the selection of coinage materials and for the design of dies for foreign coinage orders which require stainless steel.

### **Production**

Secretary of the Treasury Simon directed that the use of the special Bicentennial reverse designs and the dates 1776-1976 on coins be terminated on December 31, 1976. From fiscal 1975, when these distinctive coins were first manufactured, through December 1976, the following quantities for general circulation were produced: 220,565,274 dollars; 521,873,248 half dollars, and 1,669,902,839 quarter dollars.



In the early months of fiscal 1977, the Mint generated a record inventory of coins, a percentage of which was placed in long term storage. At the fiscal yearend the Mint was holding coins in storage for an extended period at the West Point Bullion Depository, the San Francisco Assay Office, and at the Rocky Mountain Arsenal, Denver.

Following a reduction in force at the Mint's major production facilities in April and May 1977, a near balance in the ratio of coins produced to coins shipped was achieved.

The coin shipping load factor for 1-cent coins at the Denver Mint was increased by 10 percent, from 40,000 pounds to 44,000 pounds. This increased load factor generated cost savings for the Mint and the Federal Reserve banks, and, most significantly, savings of energy.

A contract was awarded to Southwest Research Institute for the development of a bulk container to be used for shipping 1-cent coins. It is anticipated that a suitable container will replace the counting and bagging of about 20 percent of all 1-cent coins shipped to Federal Reserve banks.

The Philadelphia Mint began processing incrementally wider in-house coinage strip, which has resulted in improved melt to finished strip yield and greater blanking productivity. During the fiscal year, the Denver Mint upgraded its material handling equipment to increase coil handling capacity from 6,000 pound coils to 7,000 pound coils. This increased weight factor along with the recent move into processing 1-cent and 5-cent coils of increased strip width, resulted in marked increases in productivity.

### **Marketing and Statistical Services**

Between April 1, and June 10, 1977, the Mint accepted orders for 3.25 million 1977 proof coin sets. Traditionally, orders had been accepted during November and December for the next calendar year's proof sets. The schedule was revised in 1977 to improve customer service by shortening the length of time people had to wait to receive their sets.<sup>8</sup> Shipment of the 1977-dated proof sets began on May 2 and continued through December. A schedule was developed whereby ranges of order numbers were matched against production and mailing schedules, with each order assigned an "expected receipt date," which was provided to the customer.

A proof bronze medal honoring President Carter was offered to the public for the first time at the American Numismatic Association Convention, at Atlanta, Ga., in August 1977. The medal was designed by Mint Chief Sculptor-Engraver Frank Gasparro. This 1 5/16-inch medal is the first presidential medal to be produced in proof edition by the U.S.

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<sup>8</sup> See exhibits 2 and 14.

Mint. The obverse and reverse of the medal may be seen in the accompanying illustration.



President Carter's official medal



Under Secretary Anderson and Mrs. Carter

The first strike of the President Carter's 3-inch bronze medal was presented to the First Lady by Under Secretary Bette B. Anderson, Acting Director of the Mint Frank H. MacDonald, and Frank Gasparro, Chief Sculptor Engraver at the White House on August 2, 1977. The accompanying illustration shows Mrs. Carter receiving the medal from the Under Secretary.

Public Law 95-9,<sup>9</sup> approved March 8, 1977, authorized the Secretary of the Treasury to strike a gold medal honoring Marian Anderson. The gold medal is to be presented to Miss Anderson by the President, in the name of Congress. Duplicates of the medal in bronze are to be offered for sale to the public.

The first two medals in the series honoring Chief Justices of the Supreme Court became available for sale to the public in December 1976. The obverse of the one recognizing John Jay, the first Chief Justice, was designed by Phillip Fowler, a Mint Sculptor-Engraver. The Chief Justice Warren Burger medal, honoring the Nation's 15th Chief Justice, was designed by Frank Gasparro, the Mint's Chief Sculptor-Engraver. The seal of the Supreme Court was adapted as the common reverse for the entire series by Edgar Z. Steever, Mint Sculptor-Engraver. The accompanying illustrations show the obverse designs and the common reverse of the first two Chief Justice medals.

The Mint continued to manufacture national "List" medals in the traditional 3-inch size, as well as the 1 5/16-inch and 1 1/2-inch sizes throughout the period. Approximately 335 thousand list medals were produced at Mint installations between October 1, 1976, and September 30, 1977.<sup>10</sup>

A descriptive list of the more than 300 historic medals which may be purchased from the U.S. Mint, with ordering information, is available from: The Bureau of the Mint, 55 Mint St., San Francisco, CA 94175.

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<sup>9</sup> See exhibit 13.

<sup>10</sup> See tables 11, 12, 13, and 14.





The first medals in Chief Justices series

Following extensive remodeling, the Treasury Exhibit Hall in the Main Treasury Building in Washington, which is under the jurisdiction of the Bureau of the Mint, was formally opened to the public by Treasury officials on January 4, 1977.<sup>11</sup> The Hall features many historical, mechanical, graphic, and audio-visual displays reflective of Treasury Department activities assembled from: The Bureau of Alcohol, Tobacco and Firearms; the Bureau of the Mint; Comptroller of the Currency; Internal Revenue Service; Office of the Secretary; U.S. Secret Service; U.S. Savings Bonds Division; and the Office of the Treasurer of the United States. The Mint exhibit includes an operating coin press on which visitors may strike their own White House medal in pewter and 30

<sup>11</sup> See exhibit 5.

gold bars, weighing approximately one-half a ton, displayed in a unique cannon ball vault-type safe. Between January and September 30, 1977, approximately 140,000 visitors toured the Exhibit Hall.

Administration and Management

Financial operations

The Bureau of the Mint deposited \$458,043,170 into the general fund of the Treasury during fiscal year 1977. Seigniorage on U.S. coins accounted for \$407,022,950 of the deposit. Of this amount, approximately \$330 million was derived from the production of cupronickel clad coinage; \$76.8 million from minor coinage; and about \$115 thousand from silver clad coinage.

Monetary assets and liabilities

ASSETS	September 30, 1976	September 30, 1977
Gold bullion.....	\$11,238,675,458.79	\$11,238,345,679.81
Silver bullion.....	141,751,317.35	141,517,341.05
Cupronickel clad dollar coin.....	59,975,282.00	52,373,989.00
Subsidiary coin.....	250,462,487.95	297,928,636.15
Minor coin.....	40,186,532.63	57,864,965.62
Coinage metal other than silver.....	276,861,742.28	239,937,475.74
All other.....	1,678,168.02	2,062,089.32
Total assets.....	11,909,590,989.02	11,930,030,176.69
LIABILITIES		
Bullion fund.....	11,627,339,737.22	11,689,902,195.80
Coinage metal fund.....	276,210,710.07	239,902,466.45
All other.....	6,040,541.73	225,514.44
Total liabilities.....	11,909,590,989.02	11,930,030,176.69

<sup>1</sup> Includes silver bullion for coinage valued at \$10,764,539.26.

NOTE. -- For details by Mint institution see table 24.

Income, expenses, and application of funds, fiscal year 1977

INCOME		In thousands
1. Coins manufactured (face value) .....		\$530,155
2. Appropriation .....		41,400
3. Special Mint coin reimbursements .....		22,051
4. Medal Sales .....		1,694
5. Foreign coinage orders .....		1,867
6. Charges collected on deposits, etc .....		22
7. Sales of miscellaneous products .....		10,692
8. Sales of Government property, etc .....		206
9. Miscellaneous reimbursements .....		2,369
10. Miscellaneous revenues .....		35
11. American Revolution Bicentennial Medals .....		1,573
Total income .....		612,064
COST OF OPERATIONS		
1. Accrued cost of operations (Includes Depreciation):		
a. Coinage (domestic) .....	\$31,681	
b. Deposits .....	1,995	
c. Protection .....	3,608	
d. Refining .....	2,524	
e. Executive Direction .....	242	
Total operating cost .....		40,050
2. Cost of metal used in domestic coinage .....		79,821
3. Distribution of domestic coinage .....		1,795
4. Cost of manufacturing special mint coins .....		22,051
5. Cost of manufacturing medals .....		1,678
6. Cost of manufacturing foreign coinage .....		1,841
7. Cost of processing miscellaneous services .....		3,846
8. Less depreciation (included in cost of operations) .....		-1,874
9. Reconciliation of cost to obligations .....		3,102
Total cost of operations .....		152,310
Excess of income over cost .....		459,754



*Income, expenses, and application of funds, fiscal year 1977—Continued*

## APPLICATION OF NET INCOME

1. Deposits to the General Fund of the Treasury .....	1457,980
2. Expired appropriation .....	1,334
3. Inventory changes .....	1,890
4. Net decrease in Coinage Profit Fund .....	1,450
Total funds applied .....	459,754

<sup>1</sup> Excludes undeposited revenues of \$63 thousand from fiscal year 1976.

**Gold and silver**

*Refining.*--The Mint's electrolytic refinery in the U.S. Assay Office at New York produced approximately 3.3 million fine troy ounces of silver during the period.<sup>12</sup>

No gold was refined during the fiscal year 1977, although approximately 1 million fine troy ounces of gold anodes were produced.

Approximately 32 ounces of surplus gold and about 2,977 ounces of surplus silver were recovered by the New York Assay Office during fiscal 1977. In addition the Mint accepted scrap silver from the Department of Defense and other Government agencies, refined the silver extracted, and returned it.

*Unrefined bullion stocks.*--On September 30, 1977, a total of 14.3 million fine troy ounces of unrefined and 7.4 million fine troy ounces of semiprocessed gold bullion as well as 7.9 million fine troy ounces of unrefined and 4.0 million fine troy ounces of semiprocessed silver bullion were held by the two assay offices and the Denver and Philadelphia mints.<sup>13</sup>

*Gold.*--On September 30, 1977, the Fort Knox Gold Bullion Depository, the assay offices, and the mints held a total of 266,169,764 fine troy ounces of gold bullion, valued at \$11,238,272,999.<sup>14</sup> The monetary value of gold in the United States, \$42.22 per fine troy ounce, was the rate used for computing the dollar value of the Mint's holdings.

*Silver.*--The Bureau of the Mint's silver balance totaled 39,401,061.76 fine troy ounces valued at \$51,496,138.62 on September 30, 1977.<sup>15</sup>

**Budget and accounting officers' conference**

A conference of Bureau of the Mint budget and accounting officers from all installations was held October 12-15, 1976, at the Old Mint, San Francisco. Two representatives of the Office of the Secretary of the Treasury participated in the Conference.

The standardization of overhead cost distribution was dealt with as it pertains to costs applicable to those facilities performing similar functions, particularly in the areas of indirect labor, assay costs, quality control, and building and maintenance costs.

A representative of the Office of Budget and Program Analysis, Office of the Secretary, made an informative presentation on the Financial Resource Management System, which was developed by the Depart-

<sup>12</sup> See table 21.

<sup>13</sup> See table 22.

<sup>14</sup> See tables 16 and 17.

<sup>15</sup> See tables 18 and 19.

ment. It includes guidelines for submission of the Spring Budget Preview, long range plans, program analysis, productivity forecasting, and program evaluation.

The concept of Zero Base Budgeting was explored. The concept is that the decisionmakers analyze and justify all the financial requirements for a budget unit, rather than just the increased requirements. Managers are to assess benefits and suggested operational improvements associated to reach their objectives. The objectives, as established by management, are communicated to the functional managers before the preparation of the budget begins.

The Zero Base Budget process begins by identifying functions in the organization where cost data are maintained. The budget request for each function is developed in a series of "decision packages." Each decision package represents the fund requirement to support particular levels of the operations. The first package of a series of packages is developed at a minimum level of operations for the function. Additional levels are developed in accordance with increased workload requirements.

The Budget and Finance Division of the Bureau of the Mint volunteered to work with the Department Office of Budget and Program Analysis in developing a zero base budget (ZBB) for the Mint. The Mint's experimental project of preparing this ZBB for fiscal year 1978 served as a pilot project for the Department. The project applied techniques of zero base budgeting to an existing budget to determine required timing, paperwork, and review changes.

Discussions were held on current services budgeting, the concept which requires that operations be maintained at current levels. This budgetary process does not allow for any program increases; it permits only increases required by statute and other increases due to inflationary factors.

The discussion included outlay and personnel ceilings imposed by OMB on each bureau to control expenditures and the number of personnel<sup>1</sup> that may be retained on the payroll as of the end of the fiscal year.

The Conference was very informative and all participants benefited from the exchange of operating data and ideas among the participants from all Mint offices and the Office of the Secretary.

### Personnel

Mint-wide classification reviews of Federal Wage System positions resulted in more than 716 employees being downgraded. The Bureau conducted a significant reduction in force of production personnel. A total of 117 employees were released from the Denver Mint, the Philadelphia Mint, and the West Point Bullion Depository.



A satisfactory settlement was reached concerning the only previously unresolved issue (scope of negotiated grievance procedures) of the renegotiated Bureau-wide union contract. The settlement was obtained as a result of Bureau management and union participation with the Federal Service Impasse Panel factfinder. Implementation of the contract was awaiting employee ratification on September 30, 1977.

### **General**

The conversion of the payroll and related personnel information of seven Treasury bureaus to the Treasury Payroll/Personnel Information System (TPPIS) had been accomplished by the end of fiscal year 1977. The implementation of TPPIS proceeded in accordance with the schedule established during fiscal 1976.

### **Field Installations**

#### **The Philadelphia Mint**

The Philadelphia Mint made marked improvements in the quality and quantity of in-house clad strip. Based on schedules in effect at the end of the fiscal year, Philadelphia was self sufficient in the manufacture of 25-cent and 10-cent clad material. In effect, the Mint had become the much needed reliable "second source" of clad strip, supplementing our sole commercial supplier. Most importantly, the efficiency and higher quality demonstrated in the Philadelphia Mint's strip production is being reflected in lower per pound unit cost.

Productivity tests were being conducted, at the fiscal yearend on two new generation, high speed, dial feed presses of 350 and 450 ton capacity.

The loan exhibit of the priceless Eliasberg Coin and Currency Collection, containing a specimen of every United States coin regularly minted for circulation since 1792, was extended through June 30, 1977.<sup>18</sup>

During the fiscal year the Philadelphia Mint produced approximately 86 million scalloped 5-sentimos coins and about 52 million square 1-sentimo coins for the Philippines. The contour dies for these coins had been produced during the previous fiscal year.

New medal displays were designed and installed in four new cases in the Lobby of the Philadelphia Mint. These were designed to show the obverse and reverse of each 3-inch Presidential, Secretary of the Treasury, and Director of the Mint medal on an engraved plaque. A special display was made for President Carter's medal. An exhibit of the Annual Assay Commission medals from 1920 through 1977 was set up in the public area of the Mint. During the fiscal year, 261,531 visitors toured the facilities. This included a total of 340 groups with an average of 55 persons per group.

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<sup>18</sup> See exhibit 6.

### The Denver Mint

During the fiscal year the Denver Mint began moving into carbide 1-cent and 5-cent blanking die sets, which will result in increased productivity, reduced maintenance downtime, and a more uniform blank due to less wear per unit output of the tooling. Four new high capacity upset mills were installed which, along with the relocation of two others have resulted in a safer, less crowded operation, and a potential saving equivalent to the wages of two operators.

The upset milling operations and screening (riddling) operations were relocated at the Denver Mint from the first floor press room to the second floor. Isolation of these operations in a separate process area will permit easier resolution of accoustical problems associated with these operations and reduction of noise levels to OSHA requirements.

New equipment purchased during the year for the machine shop and maintenance operations was specified with a view toward the metric (SI) international system of measurement. Most of the equipment has the capability of dual readout (English and metric). Concurrently, familiarization training was initiated to introduce management and employees to the international measurement system.

Early in 1977, an extraordinary collection of Oriental coins, some more than 1,000 years old, was placed on display along the tourist route in the Denver Mint.<sup>17</sup> The collection includes 7,320 coins, mounted by artist Kimpo Honayo, in two spectacular abstract arrangements. The display which was a gift from Japan to the people of Denver in celebration of Colorado's Centennial and America's Bicentennial, is on indefinite loan from the City and County of Denver.

During the Bicentennial - Colorado Centennial celebration year 320,585 visitors toured the public area of the Mint at Denver.

### United States Assay Office at San Francisco

All of the six-coin U.S. proof sets were manufactured, packaged, and delivered by the San Francisco Assay Office. The production of the 40-percent silver Bicentennial proof and uncirculated coin sets was completed during the fiscal year.

A closed circuit security surveillance system was installed at the San Francisco Assay Office and the South San Francisco Annex to monitor internal operations and to provide exterior surveillance.

During the fiscal year the Assay Office implemented the first computerized report of materials used in the production of the six coin proof sets.

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<sup>17</sup> See exhibit 11.



### United States Assay Office at New York

During the 1977 fiscal year the New York Assay Office refined approximately 3.3 million fine troy ounces of silver. In addition, slightly more than 1 million fine troy ounces of gold anodes were produced.

Approximately 97 assays and evaluations were conducted by Assay and Quality Assurance Division for the Department of Defense. In conjunction with this service, chemists from the Assay Office went to various DOD installations throughout the country to provide guidance and technical assistance in related matters. Such technical assistance served to facilitate field work operations and lowered costs incurred for DOD's precious metal recovery program.

Special assays were conducted on more than 2,200 samples of gold and silver bullion and scrap, at cost, for the general public and the commercial and industrial community.

The reconditioning of the Electrolytic Precipitator was completed and the unit is fully operational.

A program for medical examination of employees working with and/or in nitric acid areas was instituted. This is the first formal medical surveillance program of this type in the Bureau of the Mint.

### The West Point Bullion Depository

The HME Cincinnati Millicron prototype coin press, on loan from England, was successfully modified to U.S. Mint specifications and installed in the Coin Press Room at the West Point Depository.

An evaluation on a 450-ton, high volume, four-out quarter size press was conducted.

One-cent coins were struck at this facility throughout the fiscal year, while quarter dollars were struck from December 1976 through June 1977.

An audiometer Hearing Booth was installed. This enables two specially trained technicians to administer hearing tests on-site to all employees.

The function of safeguarding most of the silver owned by the United States was continued at the U.S. Bullion Depository.

### The Old Mint (San Francisco)

In October 1976, the Old Mint put on display the 1907 Indian Head \$20 gold pattern coin,<sup>18</sup> valued at \$1 million, by its owner, the A-Mark Coin Company of Beverly Hills, California. The coin was on loan to the Museum for 6 months in celebration of the completion of the restoration of the Old Mint, a national historic landmark.

Closed circuit television cameras were installed at the entrances of building for security purposes.

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<sup>18</sup> See exhibit 3.

The Old Mint received an award from the General Services Administration for providing computer support to other Government agencies, which resulted in significant savings.

During the fiscal year a total of 124,133 visitors toured the Old Mint Museum. These visitors spent \$317,399 in the Sales Area of the Museum.

Presorting of first-class mail to customers on the Mint mailing list was initiated, which resulted in savings of approximately \$25,000 per cycle.

#### **Fort Knox Bullion Depository**

The United States Bullion Depository at Fort Knox continued to safeguard most of the Treasury's gold.

On July 28, 1977, the Secretary of the Treasury visited the Depository. The accompanying photograph shows the Secretary holding a gold bar in a vault at Fort Knox.



Secretary of the Treasury Blumenthal in gold vault at Fort Knox

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## EXHIBITS

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## Exhibits

### **Exhibit 1.—Statement by Director of the Mint, October 8, 1976, before the National Automatic Merchandising Association, Philadelphia, Pennsylvania**

Thank you for inviting Dr. Alan Goldman, Assistant Director for Technology at the Mint and me to appear here today. I think our meeting can benefit us all.

The recommendations of the privately researched coinage study conducted for the Mint, and recently released to the public, are most certainly of utmost importance to you and your industry—as well as to the Mint. So I hope we can use this opportunity for an exchange of viewpoints and to answer any questions you may have about the findings contained in the coinage report.

I assume, of course, that you are all well aware of the major recommendations—to reduce the size of the dollar and to eliminate the cent by 1980—and the conclusions upon which these recommendations are based. If not, Dr. Goldman is prepared to discuss the proposals more fully.

For my part, I'd like to strongly emphasize:

First—that the Mint cannot impose any coinage changes upon the nation. And that if and when the Treasury Department is prepared to recommend any changes, the public will be fully informed. I can assure you that the process of obtaining Congressional approval for any change in the coinage system precludes secrecy and shortcuts.

Second—that the Mint is currently evaluating the study's recommendations and expanding on the effort to more fully assess public sentiment and that of commercial enterprises, large and small, to determine the impact of a change in the size and/or denomination of certain of our coins.

I think we can agree that it's not to the Mint's advantage, nor to yours, to seek production of a coin the public might not want to use. Consequently, I believe it is reasonable to attempt to determine the likes and dislikes of the public and to take into consideration the superstitions, idiosyncracies and sentiments that might adversely affect the ready acceptance of a particular coin.

Additionally, in making assumptions of what may occur 10 or 15 years hence, there is always great potential for error. And I cannot take lightly that any serious miscalculations in future coin demand could cause great hardship to the very people and businesses the Mint has the responsibility to serve.

Long-range planning, of course, is a necessary management tool for business. Nevertheless forecasting is not an exact science and plans for the future cannot be set in concrete. Future events, especially, can influence increases and decreases in coinage demand as well as manufacturing and metals costs.

So I'd like to reiterate that the coinage report is simply one element of the continuous, ongoing effort of the Mint to provide the nation with the best possible coinage system.

And that I'm actively seeking the public's opinion on the coinage recommendations submitted to the Mint by the Research Triangle Institute. I'd also like to hear from the business community, especially those businesses whose operations are dependent on coins.

**Exhibit 2.—Press release, October 20, 1976, concerning change in ordering periods for proof and uncirculated coin sets**

To improve customer service, orders for Proof Coin Sets will be accepted on April 1, 1977, Mrs. Mary Brooks, Director of the Mint announced today. She also said, order acceptance for 1977 Uncirculated (Mint) Sets will not take place until fall of 1977.

In the past, orders for yearly proof coin sets have been accepted in advance—usually during November and December of the preceeding year—and produced and shipped throughout the calendar year of issue. This meant that many collectors had to wait 12 or even 14 months for their sets.

Under the new system, Mrs. Brooks explained, sets will still be produced evenly throughout the year, as this is the most efficient and economical manner to make these sets available to the public at the lowest price. Shipping will be stepped up from April until the end of the year. This means that customers will have fewer months to wait between placing an order and receiving their sets.

Orders will continue to be shipped on a “first-come-first-served” basis. However, orders received before April 1 will be returned to the customer.

The yearly proof coin sets contain one proof-quality coin of each denomination (\$1, 50¢, 25¢, 10¢, 5¢, 1¢) sealed in a display package.

The uncirculated sets contain one regular issue coin of each denomination from both the Denver and Philadelphia Mints. Further information regarding the Bureau of the Mint’s Special Coinage and Medals programs may be obtained by writing:

Bureau of the Mint  
55 Mint Street  
San Francisco, CA 94175

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**Exhibit 3.—Press release, October 29, 1976, announcing Old Mint’s display of a gold coin valued at \$1 million**

The 1907 Indian Head \$20 gold pattern coin, valued at \$1 million by its current owner, goes on public display at the Old Mint Museum in San Francisco, California, at 10 a.m., Tuesday, November 9, 1976, Mrs. Mary Brooks, Director of the Mint, announced today.

The unique gold piece is one of 45 pattern pieces acquired from the Paramount International Coin Corporation in a multimillion dollar acquisition by the A-Mark Coin Company of Beverly Hills, California. It is on loan to the museum for 6 months in celebration of the completion of the restoration of the Old Mint, a national landmark building.

The history of this one-of-a-kind gold piece, reputed to be the world’s most valuable coin, is noted for its past moments of mystery. It was commissioned by a U.S. President, Theodore Roosevelt, who rejected the design in favor of the standing Liberty figure for the \$20 gold coin. It was designed by one of America’s then most famous sculptors, Augustus Saint-Gaudens. And, subsequently, it was acquired by a king, Farouk of Egypt.

Apparently, this lone gold pattern specimen was struck in the spring of 1907. In August of that year, the designer, Saint-Gaudens died—and the fate of the pattern piece was lost to public knowledge.

Then, in the early 1930s, the piece publicly surfaced in the possession of a coin collector who was offering it for sale at \$10,000. At that time, a go-between in the transaction wrote that the collector had acquired it directly from the Estate of Charles E. Barber, the Mint’s chief engraver from 1879 to 1917, the year of his death.

Thereafter, the rare gold pattern passed from collection to collection at fluctuating prices. The late King Farouk paid about \$9,900 for it. After his death, it was reacquired in 1954 for



\$3,444.00. The escalating purchase figures of more recent acquisitions have not been publicly disclosed but the current owner has insured the unique gold piece for \$1 million.

The Old Mint Museum, Fifth and Mission Streets, San Francisco, California, is open for public tours Tuesday through Saturday, 10 a.m. to 4 p.m. There is no admission charge.

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**Exhibit 4.—Press release, December 7, 1976, summarizing U.S. Mint's  
Bicentennial numismatic tribute**

"The closing of the Bicentennial year also brings to a close the government's various numismatic tributes to our nation's 200 years of freedom," Mrs. Mary Brooks, Director of the Mint, said today.

"These special coins and medals programs of the American Revolution Bicentennial Administration and the U.S. Mint have reached around the world," Mrs. Brooks said. "Together with the added attraction of new Bicentennial designs on quarters, halves, and dollars, representing the largest coinage change in Mint history, these special programs brought about an extraordinary increase in the Mint's numismatic operations."

During the past 3 years, the Mint's major numismatic programs have almost doubled in number. In that time span, approximately 11 million orders for 30 million coins or medals sets have been shipped to millions of people here and abroad.

Mrs. Brooks said that "this volume represents numismatic history at the Mint. And it would not have been possible without the superior performance and dedication of Mint employees who produced and processed the Bicentennial coins and medals programs, in addition to the regular annual programs, for the Mint and other government agencies."

During 1976, the Mint handled 22 major numismatic programs and shipped over three million orders for 10 million sets. In 1975, the Mint processed 12 major numismatic programs and shipped over four million orders for above 11 million sets. For 1974, the impressive figures are 10 major numismatic programs resulting in over three million orders shipped for nine million sets.

**Volume caused delays**

"The Mint's ability to respond to this huge demand for special coins and medals was not achieved without some unforeseen difficulties," Mrs. Brooks said. "We have experienced delays in the delivery of sets to some of our customers. And we appreciate their patience in waiting for their orders to be filled."

The 1976 annual proof and uncirculated coin sets will be in the mail by the end of the year. And a majority of the orders for America's First Medals, plus the album, will be shipped by then. Orders for the 40 percent silver Bicentennial proof and uncirculated coin sets, as well as the bulk rate orders, are taken on a continuous basis and are filled as quickly as possible.

Orders for the 3", 1 $\frac{5}{16}$ ", and .906" national gold medals produced for the American Revolution Bicentennial Administration surpassed all expectations. This welcome, but unanticipated demand, has caused production delays owing to difficulties experienced by ARBA in obtaining materials necessary for these programs.

However, the Mint expects to receive the balance of the required gold blanks by the middle of January and intends to complete the striking of the 3", 1 $\frac{5}{16}$ ", and .906" national gold medals by the end of January 1977.

The Mint is also awaiting delivery of presentation cases for a portion of the .906" national gold medals. If these are delivered in timely fashion, the Mint will be able to ship these orders by the end of February 1977.



### Improving delivery system

"The Mint's numismatic programs are self-supporting," Mrs. Brooks said. "And we are ever mindful of our responsibility to service our mail order customers as quickly and efficiently as possible. Therefore, some changes in our production and ordering procedures are being made next year."

Heretofore, orders for special coin sets were accepted in advance of production, resulting in waiting periods of up to 12 to 14 months before some customers received their coin sets.

Next year, in an effort to improve delivery service, the Mint is instituting a preproduction system and shortening the time span between the ordering period and the shipment of all sets.

Therefore, acceptance of orders for the 1977 annual proof coin sets will open on April 1, 1977. And all orders will be in the mail by the end of that year. It is expected that orders for the 1977 uncirculated coin sets will be taken in the fall at a date to be announced later.

The Mint, however, will continue to produce coin sets at an even rate during the year because this is the most efficient and economical manner in which to make these sets available to the public at the lowest price.

Persons wishing to be placed on the Mint's mailing list for special coins and medals, please write to:

Bureau of the Mint  
55 Mint Street  
San Francisco, California 94175

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### **Exhibit 5.—Press release, December 27, 1976, announcing opening January 4, 1977, of redesigned Exhibit Hall in the Main Treasury Building**

Gold bars weighing almost half a ton.

A press specially designed so visitors may strike their own White House medal.

These fascinating attractions, and much more, are part of the all-new displays in the Exhibit Hall of the Department of the Treasury, 15th and Pennsylvania Avenue, N.W., Mrs. Mary Brooks, Director of the Mint, announced today. The new exhibit opens to the public on Tuesday, January 4, 1977, at 11:00 a.m.

The 30 gold bars of 999.8 fine gold are valued at \$552,790.01, at the official rate of \$42.22 per fine troy ounce. The bars, containing 13,092.402 fine troy ounces of gold, weigh approximately one-half ton and are on display in a unique Cannon Ball vault-type safe.

An 80-ton hydraulic press has a special triggering attachment to activate the press to strike a 1½" pewter medal showing the White House on the obverse and the Presidential seal on the reverse. Visitors may purchase the pewter blanks for \$1 and strike their own White House medals—or buy the medals over-the-counter at the Mint sales counter in the Exhibit Hall.

Other brand-new exhibits assembled from agencies within the Treasury Department—such as, the Office of the Secretary, Bureau of the Mint, Bureau of Engraving and Printing, U.S. Treasurer's Office, U.S. Savings Bonds, Internal Revenue Service, U.S. Secret Service, U.S. Customs Service, Comptroller of the Currency and the Bureau of Alcohol, Tobacco and Firearms—include:

A replica of the first telephone installed in the Treasury Department in 1877, a private line connected to the White House. Various office machines, such as an arithmometer and typewriters, in use at the turn-of-the-century.

An antique hand-operated currency press. A moonshine still. A replica of a 1792 screw coin press. A re-creation of an early U.S. Assay Office where gold miners brought their precious metal discoveries for testing and purchase by the Government.

An operating Lienhard transfer and engraving machine, showing how designs are transferred from a copper galvano onto a hub used to make dies for coins and medals. A galvano plating tank, sculptor's display, automatic coin weighing machines, and a 5" beam bullion balance.

A movie theater for daily showings of films produced by the Treasury Department and some of its agencies. Currently showing: "Keys to the Treasury," "The Granite Lady," "A Day in the Life of Chopper," "One Time too Often," and "Money Talks."

Currency. Stamps. Coins. Medals.

And still more graphic and audiovisual displays reflective of the wide-range of Treasury Department responsibilities and activities.

The entrance to the Treasury Exhibit Hall is located on East Executive Avenue, popularly referred to as the Liberty Bell entrance. It is directly across the street from the visitors' entrance to the White House. The Exhibit Hall is open Tuesday through Saturday, 9:30 a.m. to 3:30 p.m. Free admission.

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### **Exhibit 6.—Press release, January 11, 1977, concerning retention of Eliasberg coin collection at Philadelphia Mint through June 30, 1977**

The loan exhibit of the priceless Louis Eliasberg coin and currency collection, containing a specimen of every United States coin regularly minted for circulation since 1792, has been extended for 6 months at the Philadelphia Mint, Mrs. Mary Brooks, Director of the Mint, announced today.

The Eliasberg exhibit first opened last spring as part of the Mint's Bicentennial celebration and it was scheduled to close the end of last year. Through the courtesy of the Eliasberg family, the loan extension has been arranged to accommodate the many coin clubs and others who have expressed an interest in arranging group tours to the Philadelphia Mint this year.

To permit more leisurely and thorough examination of the Eliasberg collection, a number of coin clubs from along the eastern seaboard have been granted permission to hold meetings after visitors' hours at the Mint. Coin clubs wishing to use the lobby facilities for similar gatherings may write to the Superintendent, United States Mint, Philadelphia, Pennsylvania 19106, to reserve a date and to make arrangements for a caterer, if one is required.

"The story of civilization is engraved on the coins in the Eliasberg collection," Mrs. Brooks said. "From the regal gold coins of the Kings of Macedonia, such as the gold stater issued during the reign of Philip II 359-336 B.C., to our nation's most recent issues, the exhibit should not be missed by anyone.

"Serious numismatists consider the collection's magnitude and perfection one of its most intriguing qualities. For budding collectors, and students especially, it is an introduction to world history through coins."

Among the most famous rarities in the Eliasberg collection of over 10,000 specimens of the choicest grade U.S. coins, U.S. bank notes and foreign coins are:

The 1804 "Stickney" silver dollar, the only coin of this issue that can be traced back to the U.S. Mint. It is considered the most famous pedigreed coin in America.

The 1870 "S" \$3.00 gold piece. Two specimens of this unique coin were struck at the San Francisco Mint—one was placed in the cornerstone of the Mint building and the other is on display in the Eliasberg exhibit.

The 1873 "CC" dime without arrows. This extremely rare coin struck at the Carson City Mint is among the rarest of all United States coins and is the only known specimen.

However, it is the totality of the collection, encompassing the coinage of the world, for which the Eliasberg collection is famous. The assemblage of South American coins alone is considered to be the finest in the world. And the more curious forms of money—the cocoa



bean money of Mexico, the large copper plates of Sweden, the brick tea money of Mongolia, the bullet money of Siam, the wampum, shell money, and many other exchange variations—fascinate the novice as well as the knowledgeable money collector.

A yellow dot identifies the most exceptional coin and currency specimens that should not be missed when viewing the exhibit.

Mr. Eliasberg, an industrial banker and insurance executive, died at his home in Baltimore, Maryland, last February. He began his lifelong interest in collecting as a boy when relatives returning from trips abroad would give him their leftover foreign coins and currency. Much later, he began collecting every date and Mint U.S. coin issued for circulation. By 1950, he completed his unique collection with the acquisition of the 1873 CC dime without arrows. Thereafter, he had only to add current date and Mint issues to keep title to possessing the foremost collection of United States coins ever assembled.

His collection was the first private coin collection ever displayed at the Smithsonian Institution. At the time, 1960, it was seen by over 1.5 million people. Over 3 million people are expected to view the exhibit at the Philadelphia Mint by the end of the Bicentennial year.

The Philadelphia Mint is located on historic Independence Mall at Fifth and Arch Streets, Philadelphia, Pennsylvania. Visitors and group tours are welcome 9 a.m. to 4 p.m., Monday through Friday, to see the minting process and special exhibits.

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#### **Exhibit 7.—Press release, January 18, 1977, concerning presentation of Alexander Hamilton Award to the Director of the Mint**

Secretary of the Treasury William E. Simon presented the Alexander Hamilton Award, the Treasury Department's highest honor award, to Mrs. Mary Brooks, Director of the Mint, on January 11, 1977.

Mrs. Brooks is the first woman chosen by a Secretary of the Treasury to receive the Alexander Hamilton Award established in 1955 to give recognition for outstanding and unusual leadership in the work of the Department of the Treasury.

There are no nominations for this award which are conferred solely by personal selection of the Secretary of the Treasury. At the recent presentation ceremonies, Secretary Simon presented Mrs. Brooks with the Alexander Hamilton Award 14k gold medal and signed certificate. The citation to Mrs. Brooks reads:

"Mary T. Brooks, twenty-eighth Director of the Bureau of the Mint and only the third woman to fill this responsible position, has provided imaginative and innovative leadership for the Mint's diverse operations, conducted in seven field installations.

"During her two terms as Director, the production of the United States coinage virtually doubled, rising from 7 billion coins in 1969 to over 13 billion coins in 1975. When the public began withdrawing pennies from circulation in 1974, thus threatening to overburden Mint production facilities, she improvised a public relations program designed to elicit the return of hoarded pennies to monetary uses.

"Mrs. Brooks ably presided over all phases of the unique Bicentennial coinage and medals programs, from design selection through demand forecasting to automated public sales, and established for the first time a progressive system of audits of the nation's gold stocks in her charge at the Fort Knox Depository. Under her guidance, major numismatic programs multiplied in number, reaching deliveries of over 4 million sets of coins and medals annually.

"Through her keen appreciation of the historic role of the mints and her perception of the public's numismatic interests, she opened new medallion and monetary programs and restored historic facilities, to the lasting enrichment of the nation and its citizens.

"It is my great professional as well as personal pleasure to recognize the contributions and dedication of Mary T. Brooks by bestowal of the Alexander Hamilton Award."



**Exhibit 8.—Press release, January 28, 1977, concerning curtailment of natural gas use at Mint facilities due to energy crisis**

Deputy Director of the Mint Frank H. MacDonald announced today that in accordance with requests from the States of Pennsylvania and New York, the U.S. Mint at Philadelphia and the New York Assay Office will stop using natural gas in their production operations effective immediately.

The Mint facilities, like other industrial operations, have been asked to reduce consumption of natural gas to the lowest possible levels without causing irreparable damage to equipment. The curtailed usage will last for the duration of the natural gas crisis.

Affected operations will include die manufacturing and coin production in Philadelphia and all melting operations involving natural gas at the New York Assay Office. However, the two facilities will continue to work from inventories during the crisis period.

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**Exhibit 9.—Press release, February 9, 1977, concerning suspension of coin production for duration of natural gas crisis**

Deputy Director of the Mint Frank H. MacDonald announced today that, effective February 11, the Denver Mint and the West Point Depository will suspend production of coins for an indefinite period.

Coin-making dies used by Denver and West Point are produced at the Philadelphia Mint where production operations were suspended February 1 because of the natural gas crisis.

With the exception of certain personnel involved in security or annual settlement matters, employees of the two facilities will go either on vacation leave or leave without pay.

The production suspension is expected to run from 3 to 6 weeks depending on weather conditions and availability of natural gas supplies in Philadelphia.

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**Exhibit 10.—Press release, February 15, 1977, concerning resignation of Mary Brooks as Director of the Mint**

Mrs. Mary Brooks has resigned as Director of the Mint effective February 11, 1977. In a letter to President Carter February 1, Mrs. Brooks said:

My dear Mr. President:

With this letter I respectfully tender my resignation as Director of the Mint effective on February 11, 1977.

I have been very proud to have served as Director of the Mint the past seven and one-half years. It has been a most challenging and rewarding time of my life and I do look with pride over the many accomplishments we were able to make.

I do extend my best wishes to Secretary Blumenthal and members of his staff and my warmest wishes to you and your family. I know you will go down in history as one of our greatest Presidents.

In his reply on February 9, President Carter said:

To Mary Brooks:

I have your letter and I accept your resignation as Director of the Mint, effective February 11, 1977, as you requested.

Throughout your public service, you have carried out your responsibilities with dedication, energy, and purpose and have truly earned the respect of your colleagues in Government. I know that in the years ahead you will be able to look back with pride on your many accomplishments.

As you prepare to return to private life, you may be sure that you take with you my best wishes for every future success and happiness.

Mrs. Brooks intends to return to Idaho where she operates a sheep and cattle ranch.

Last month Mrs. Brooks received the Alexander Hamilton Award, the highest award a Secretary of the Treasury can bestow in recognition of superior and unusual leadership in the work of the Department. She is the first woman to have received this award from Treasury.

The award cited Mrs. Brooks for her imaginative and innovative leadership of the Mint's diverse operations conducted in seven field installations.

During her tenure as Director, production of United States coinage virtually doubled, rising from 7 billion coins in 1969 to over 13 billion coins in 1975.

In 1971 she shepherded legislation through Congress to launch the Eisenhower dollar, the first dollar coin to be minted in 36 years. In celebration of the Bicentennial, the Mint conducted a national coin design competition to redesign the reverses of the quarter, half-dollar, and dollar and implemented a nationwide marketing program of the silver coins.

With a deep commitment to historical preservation, Mrs. Brooks led the move to preserve the Old San Francisco Mint building and supervised the extensive interior and exterior restoration of the National and State Landmark Building. The building now houses the Mint's extensive computer system and administrative offices as well as the Old Mint Museum.

She also directed restoration of seven Tiffany glass mosaics of great artistic merit and value from the old Philadelphia Mint. They are presently mounted in the lobby of the new Philadelphia Mint.

Because of a severe run on pennies in 1974, Mrs. Brooks initiated a media campaign that brought out an estimated one and a half billion pennies from jars and dresser tops. This was implemented through thousands of banks, schools, and private citizens.

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#### **Exhibit 11.—Press release, February 22, 1977, concerning Oriental coin display at the Denver Mint**

An extraordinary collection of Oriental coins, some more than 1,000 years old, has been placed on public display at the United States Mint at Denver, Colorado, Acting Director of the Mint Frank H. MacDonald announced today.

According to Betty Higby, Superintendent of the Denver Mint, the collection of 7,320 coins, mounted by artist Kimpo Hanaya in two spectacular abstract arrangements, is on loan to the Denver Mint from the City and County of Denver.

It is a gift from Japan to the people of Denver and was presented in celebration of Colorado's Centennial and America's Bicentennial as an expression of international exchange and good will. The collection first went on public display in the Oriental Gallery of the Denver Art Museum on November 19, 1975.

The larger display of coins measures nine feet wide by seven feet tall, weighs 800 pounds, and contains 7,177 coins (each hand polished) from a variety of Far Eastern countries. The coins, of different metals, sizes, shapes, and eras of history, as well as charms and amulets, are artistically arranged in variations of a "sunburst" pattern. The entire collection is set against red velvet and surrounded by a 12-inch wide, hand-carved cherrywood frame. The smaller display, also framed in hand-carved cherrywood, is a sampling of currency used in Japan spanning approximately 1,300 years and is broadly divided into the following four eras: The Imperial Coin Era, 683 A.D.-958 A.D.; The Coin Importing Era, 958 A.D.-1601 A.D.; The Tokugawa Coin System Era, 1601 A.D.-1868 A.D.; and the Modern Coin Era, 1871 A.D. to the present time.

The ancient pieces were often valued in terms of rice and years of living. As an example, according to one translation, in 729 A.D., 10 "mon" was worth 15 kilograms of rice or enough to feed a man for a month. The "Esen," or picture coins, were inscribed with traditional sayings and often used as charms and amulets.



This unique collection of coins can be seen at the Denver Mint, 320 West Colfax Avenue, Denver, Colorado, during tour hours which are 9:00 a.m. to 11:00 a.m. and 1:00 p.m. to 2:30 p.m., Monday through Friday, except holidays. Summer tour hours, which usually are from June through Labor Day, are 8:00 a.m. to 3:00 p.m., Monday through Friday, except holidays. The tour information number is (303) 837-3582. The visitors' entrance is on Cherokee Street between Colfax Avenue and Fourteenth Avenue.

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**Exhibit 12.—Statement by Acting Director Frank H. MacDonald, March 3, 1977, before the Senate Subcommittee on Appropriations**

Mr. Chairman and Members of the Committee, I am pleased to be here today to present the fiscal year 1978 appropriation request of the Bureau of the Mint.

We are requesting an appropriation of \$41.1 million for salaries and expenses for the year, a decrease of \$300 thousand from the total of \$41.4 million which is the authorized level for the current fiscal year. This authorized level for fiscal year 1977 includes the pay increase supplemental of \$1.4 million for classified and wageboard pay increases in addition to the \$40 million previously appropriated.

While our 1978 appropriation request is \$41 million, revenues resulting from operations of the Bureau of the Mint are estimated to be about \$560 million, including seigniorage and miscellaneous revenues.

#### COIN PRODUCTION

During fiscal year 1978, we estimate production of 13.7 billion coins, including 90 million dollars, 200 million half-dollars, 1 billion quarters, 1.22 billion dimes, 790 million 5 cent pieces, and 10.4 billion cents.

The Philadelphia Mint, our only facility now fabricating coinage strip in-house, is scheduled to produce 46 million pounds out of the projected Mint-wide strip requirement of 160 million pounds during fiscal year 1978. In addition to coinage strip for 1-cent and 5-cent coins, the Philadelphia Mint engages in the fabrication of clad coinage strip used in the manufacture of dimes, quarters, half-dollars, and dollars. We expect to fabricate in-house over 9 million pounds of the clad strip requirements during the fiscal year, which represents 22 percent of our total requirements.

Although we experienced increased costs in coin production, such increases are offset to a degree by improvements we have made in the coin manufacture process. Replacement of coin presses and strip blanking presses with higher capacity equipment, Mint-wide coinage die and tooling standardization, expanded use of carbide blanking press tooling, and the processing of coils at increased strip width and weight are some of the areas in which productivity has been improved. Also, in conjunction with several equipment manufacturers, we are evaluating and testing three coin press designs on which advancements in the state of the art are being made.

#### COIN REQUIREMENTS

A special study focusing on short and long term coin demand forecasting, production planning, inventory control and a review of our total coinage system has been completed. The possible introduction of a smaller sized dollar coin and the elimination of the cent are two of the items being considered. The results of this study will aid significantly in planning and conducting ongoing and new programs.

The Mint has assumed the full responsibility for projecting coin needs on both a short and long term basis from the Federal Reserve Board. Our production estimate for fiscal year 1978 of 13.7 billion coins is based on a recently developed computer program. This requirement reflects coin demand for an expanding economy.



Public Law 93-127 directed that quarters, halves, and dollars minted for issuance after July 4, 1975, bear a design emblematic of the Bicentennial and the double date "1776-1976." For the Bicentennial period ending December 31, 1976, we produced 1.7 billion quarters, 522 million halves, and 221 million dollars with the Bicentennial design and date. On January 1, 1977, the Mint returned to the pre-Bicentennial designs for these three denominations.

#### CHANGES IN COINAGE SYSTEM

On December 31, 1976, a report entitled, "The State of the United States Coinage," was transmitted from the Secretary of the Treasury to the Speaker of the House of Representatives and the President of the Senate.

After completion of a comprehensive review of U.S. coinage requirements to 1990, the Department identified two major problem areas in the existing coinage system which require resolution in the near future. The two areas are: 1) the diminishing utility of the one cent coin and 2) the failure of the present half-dollar and dollar coins to circulate readily.

An increasing fraction of the Mint's cent coin production represents replacement of coins which have been voluntarily withdrawn from circulation by the public. This withdrawal is related to the lack of purchasing power of the cent and indicates that the public apparently perceives the coin as having very little utility.

Compounding the situation, estimated cost increases for coinage metal and increases in manufacturing and distribution costs will cause the cost of producing the cent to exceed its face value by about 1980.

However, the Department feels that no decision should be made without full-scale public hearings and a thorough understanding of the impact on the consumer and the various institutions involved. The Congress has, therefore, been urged to give this matter consideration at the earliest feasible date.

The existing dollar and half-dollar coins appear to have no future roles in our coinage system because of their cumbersome size and the availability of acceptable substitutes. In essence, production of these two denominations (which account for only 2 percent of the Mint's total production) satisfies a numismatic demand, with most coins produced being immediately withdrawn from circulation.

The Department has recommended that the Congress authorize the replacement of the existing dollar coin with a smaller, conveniently sized dollar. The Department also recommended that consideration be given to eliminating the half dollar from the Nation's circulating denominations. The proposed new dollar would be sized between the existing quarter and half dollar. The weight of the new dollar coin would be only one-third of the weight of four quarters. After extensive study of all known alternatives, the material recommended for the proposed smaller dollar was cupronickel clad on copper (currently used for the dime, quarter, half-dollar and dollar coin), which has excellent wear and corrosion resistance and which provides a greater degree of protection against "slugging" than a "nonsandwich" material. If this committee and other interested congressional committees concur with these recommendations, legislation authorizing the smaller dollar coin will be prepared and formally submitted to the Congress.

#### DEPOSIT ACTIVITY

The deposit activity includes the cost of preparing and loading coins for shipment from the Mint; the exchange of silver and gold bullion; and shipping, storing, and verifying bullion and coins. The major element of cost in this activity involves the storage and subsequent release of new coins to the Federal Reserve banks.

We have addressed the cost of packaging, storing, and shipping coins and, after 1 year of in-house development work, we have concluded that a significant cost savings potential exists by way of bulk handling 1-cent coins, which represents 70 to 75 percent of our

production. It is now planned to award a contract soon for the development and testing of a suitable container for use in bulk handling, as opposed to bagging, of this denomination of coins.

#### PROTECTION

The Mint security force provides 24-hour protection of the gold and silver bullion and monetary assets held at our seven field installations. These precious metals and monetary assets are valued at approximately \$11.9 billion. Therefore, security must meet contemporary standards in relation to manpower, training of personnel, and application of modern protective devices and equipment. We are in the final stages of a recent modernization program at our field offices involving the updating of that equipment.

#### REFINING

Operation of the electrolytic refinery at the New York Assay Office will continue at an average production level of 5 million troy ounces, of which 3 million is silver and 2 million is gold. The Assay Office is continuing silver scrap refining for the Defense Supply Agency at a reduced level of activity on a reimbursable basis.

#### EXECUTIVE DIRECTION

This activity covers the salaries and personnel benefits of the Director, Deputy Director, and five Assistant Directors of the Mint.

#### EQUIPMENT ACQUISITION

Equipment requirements requested for fiscal year 1978 are projected at \$2.4 million, equivalent to our fiscal year 1977 equipment budget. The need for this equipment is based primarily on replacements and upgrading our facilities. No increase in production capacity is projected as a result of planned equipment procurements.

#### NUMISMATIC AND OTHER REIMBURSABLE OPERATIONS

Our reimbursable programs for fiscal year 1977 and fiscal year 1978 will be substantially below the fiscal year 1976 level. Planned special coinage and medal programs for fiscal year 1978 include proof coin sets, uncirculated coin sets, and our continuing list medals program.

Public Law 93-127, which authorized the Bicentennial coinage, also required the Mint to manufacture for sale a minimum of 45 million 40 percent silver clad coins. We have offered these coins in sets containing a dollar, half-dollar, and quarter. We promoted the sale of Bicentennial coin sets through the use of our mailing list, order forms in banks, post offices, and credit unions, and over-the-counter sales. In addition to our normal sales efforts, we engaged in an extraordinary program of offering bulk sales (50 set orders) to ensure that as large a segment as possible of the public was made aware of the existence of these coins. This effort was directed toward customers who could use the coin for promotion or direct sales. Our efforts included both national and international promotions.

There have been approximately 3.3 million proof and 4.2 million uncirculated Bicentennial coin sets sold as of December 31, 1976, representing 22.5 million coins. We feel that these programs were successful in that they provided appropriate official mementos of the Bicentennial to millions of Americans, and we are continuing to make these available to the public. However, we have approximately 15 million of these coins remaining in inventory. We are exploring alternatives to storing these silver coins because of storage costs and the continuing surface deterioration of the coins.

In addition to the Bicentennial coins, we processed orders and manufactured medals for various American Revolution Bicentennial Administration (ARBA) programs and our own



America's First Medals series to commemorate the anniversary of our Nation's 200th year of Independence.

The public museum and exhibit space in the mints at Philadelphia and Denver, the Old Mint in San Francisco, and the Main Treasury Building in Washington, D.C. were visited by record numbers during the last year. We expect public interest in our facilities to continue at a high level.

The manufacture of coins for foreign governments continues to be an important part of the Mint's reimbursable program. This program is coordinated through the Department of State.

Since the cost of reimbursable work is recovered from the sales proceeds of our various products, no appropriated funds are requested to finance these activities.

#### STATUS OF THE NEW DENVER MINT

The Department has not reached a decision on whether to resubmit to Congress a request for legislation which would authorize funds for the construction of a new mint at Denver. In the 94th Congress a bill to authorize the appropriation of up to \$65 million for that purpose was passed by the House. However, the Senate Banking Committee then decided to take no action on the proposal until the General Accounting Office could evaluate the need for a new mint. Since the GAO report had not been completed by the time the 94th Congress adjourned, no further action was taken on the bill in the Senate.

Whether we resubmit the request to the present Congress would depend on a number of factors. As I mentioned earlier, the Department recently submitted a report to the Congress urging prompt congressional consideration of several coinage issues, including the possible elimination of the 1-cent piece. If production of the 1-cent piece is in fact terminated by the Congress in the near future, there would be a significant reduction in the level of coinage production in the years ahead. The remaining production requirements could be met in our current facilities.

If the congressional decision is to retain the 1-cent piece as a circulating denomination in the years to come, the Department's view is that construction of a new, modern facility at Denver is essential for supplying the Nation with an adequate volume of coins.

We have evaluated the report submitted by the Comptroller General to the Senate Banking Committee on the new Denver Mint. The principal conclusion of the report is that various operating changes within existing facilities would enable the Bureau of the Mint to meet "realistic" coinage requirements without constructing a new mint. We do not agree with the proposed operating changes, as it is our view that they do not reflect a proper, business-like approach for developing our long-range facilities requirements. The proposals are founded on a continuation and aggravation of present operational and environmental problems relating to congestion, lack of storage space, use of off-site space under temporary agreements and compromising of OSHA and EPA standards. Our position is that our mints should be models of efficiency, orderliness and cleanliness to reflect the importance, dignity, and integrity of the Nation's coinage.

#### AUTOMATIC DATA PROCESSING

The Bureau has completed pilot systems and is well along in the design and development of: A production management system, an equipment maintenance management system, a die management system, and an automatic pallet tracking system. The equipment maintenance data system has been used to identify management improvements and to confirm the value of resulting changes. Data from that system is being incorporated into a simulation that will allow management to try new techniques on the computer without expensive trials in the production facility.

The Mint is also developing an in-process material inventory system for use in accounting and production planning at the San Francisco Assay Office.



A number of specific actions have been initiated by the Office of the Secretary and the Mint to increase utilization of the Mint's computer. For example, the Mint has been selected to maintain and operate the Treasury Payroll/Personnel Information System (TPPIS) for all Treasury bureaus with the exception of the Internal Revenue Service. The Bureau of Alcohol, Tobacco and Firearms payroll and personnel-related operations were implemented "live" on the Mint's computer as of December 19, 1976, to be followed by the Customs Service, and other bureaus. All Treasury bureaus, excluding IRS, are scheduled to be on this computer by October 31, 1977.

Also, a contract was recently awarded for a long-range ADP feasibility study to identify other potential areas for automation within the Mint. Additionally, the Mint continues to share computer time with other Government agencies.

#### SAFETY AND HEALTH PROGRAM

The objective of the Mint's Safety and Health Program is to identify and eliminate health and safety hazards to all Mint employees. This is accomplished by: Assuring Bureau compliance with the occupational safety and health standards pursuant to Section 6 of the Occupational Safety and Health Act of 1970; adequate staffing; periodic inspections of workplaces by technically competent personnel, assuring prompt abatement of unsafe or unhealthful working conditions; safety training for supervisors and employees, and encouraging participation in Federal field safety councils.

During the past calendar year industrial hygiene surveys were conducted at the U.S. Bullion Depository, West Point, New York and the U.S. Assay Office in New York City. Scheduled for this calendar year are similar surveys at Mint facilities in Philadelphia, Denver, and San Francisco.

#### CONTINUING AUDITS OF GOLD

During fiscal year 1976, the Treasury Department began a continuing audit of United States-owned gold. The objective of the audit is to implement a recommendation of the General Accounting Office for a complete cyclical inventory of all gold holdings in each depository over a period of years. To accomplish this objective, about 10 percent of the gold at each depository is to be audited each year until the entire gold stock has been verified.

As of December 31, 1976, audits completed under this program accounted for over 17 percent of the gold stored at Mint depositories. The audits confirmed that gold inventories agreed with the Mint records.

The audits were made by Bureau of the Mint and Bureau of Government Financial Operations representatives and observed by representatives of the General Accounting Office.

#### EMPLOYEE DOWNGRADINGS AND REDUCTION-IN-FORCE

I must report that the Bureau has been faced with one of its toughest problems in years in the last few months. As a result of personnel evaluations by the Civil Service Commission, the Department's Office of Personnel, and the Bureau's Personnel Division, we have taken action to reduce the grades of several hundred of our employees.

At the same time, we have been producing coin at a rate substantially in excess of the Nation's needs. Consequently, we were obliged to reduce our workforce. Either of these actions would be serious, but taken together they have lowered morale of our workforce. It is our hope that we can move ahead in this year to regain our previous excellent environment.

This completes my prepared remarks and I will be happy to answer any questions you may have.

**Exhibit 13.—An act to authorize the President of the United States to present in the name of Congress, a special gold medal to Miss Marian Anderson**

[Public Law 95-9, 95th Congress, H.J. Res. 132, Mar. 8, 1977]

Marian Anderson. Gold medal. *Resolved by the Senate and House of Representatives of the United States of American in Congress assembled, That in recognition of the highly distinguished and impressive career of Miss Marian Anderson for a period of more than a half a century during which she has been the recipient of the highest awards from a score of foreign countries, for her untiring and unselfish devotion to the promotion of the arts in this country and throughout the world including the establishment of scholarships for young people, for her strong and imaginative support to humanitarian causes at home, for her contributions to the cause of world peace through her work as United States delegate to the United Nations and her performances and recordings which have reached an estimated seven million people throughout the world, and her unstinting efforts on behalf of the brotherhood of man, and the many treasured moments she has brought to us with enormous demand on her time, talent, and energy, the President of the United States, or his delegate, is authorized to award to Marian Anderson, in the name of Congress, an appropriate gold medal. For such purpose the Secretary of the Treasury is authorized and directed to cause to be struck a gold medal with suitable emblems, devices, and inscriptions to be determined by the Secretary.*

Duplicate copies. SEC. 2. The Secretary of the Treasury shall cause duplicates in bronze of such medal to be coined and sold, under such regulations as he may prescribe, at a price sufficient to cover the cost thereof (including labor), and the appropriations used for carrying out the provisions of this section shall be reimbursed out of the proceeds of such sale.

Appropriation authorization. SEC. 3. There is authorized to be appropriated the sum of \$2,500 to carry out the purposes of this resolution.

SEC. 4. The gold medal and the bronze duplicates are national medals within the meaning of section 3551 of the Revised Statutes (31 U.S.C. 368).  
Approved March 8, 1977.

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**Exhibit 14.—Press release, March 23, 1977, concerning acceptance of orders for 1977 proof coin sets**

Mr. Frank H. MacDonald, Acting Director of the Mint, today announced that the Mint will begin accepting orders for the 1977 proof coin sets on April 1, 1977, at the increased price of \$9 per set.

“Since 1973, the Mint has sold proof coin sets for \$7 per set,” Mr. MacDonald said. “In the intervening time, however, costs for materials, manufacturing and distribution of proof sets have escalated. In order for the proof coin program to remain self-supporting, the Mint must raise its price for the 1977 six-coin proof set.”

Mr. MacDonald said that since 1973 costs for postage, salaries and supplies have risen about 30 percent. And no tax funds are appropriated by the Congress for the Mint’s special coins and medals program.

Last fall, the Mint announced that under a new schedule orders for proof coin sets would be accepted beginning April 1 and that orders would be shipped on a first-come-first-served basis through the remainder of the year. However, the vast majority of orders are received within the first 3 weeks of the order acceptance period.



Nevertheless, under the new system, the period between placing an order and receiving it has been shortened and shipping will be stepped up to meet the December 31 deadline stated on the order forms. Production of proof coin sets will continue on a year-round basis which the Mint has found to be the most economical method of manufacture.

The 1977 annual proof coin set will contain one coin of each denomination: a cupronickel clad dollar, half dollar, and quarter dollar with the pre-Bicentennial reverse designs, a dime, nickel, and cent.

Produced at the San Francisco Assay Office, proof coins bear the "S" mintmark and the six coins come sealed in an airtight display case.

Orders are limited to five sets per individual. And a check or money order made payable to the Bureau of the Mint must accompany each order. The \$9 price per set includes delivery by registered mail.

Proof coins require special handling. They are double struck on highly polished blanks that produces a mirror-like finish and higher relief on each of these quality coins. Acceptance of all orders, therefore, is contingent upon the Mint's ability to meet an unpredictable demand.

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**Exhibit 15.—Letter of Secretary of the Treasury Blumenthal, April 7, 1977, to the Chairman, Subcommittee on Historic Preservation and Coinage, of the House Committee on Banking, Finance, and Urban Affairs, on U.S. coinage**

**The Secretary of the Treasury  
Washington 20220**

April 7, 1977.

**Dear Mr. Chairman:**

Thank you for your letter of March 18, 1977, requesting current Treasury Department views on the report, "The State of the United States Coinage," submitted to you by former Secretary Simon.

The positions of the Treasury Department in this Administration are set forth below.

**One-cent coin**

The Treasury has not recommended to keep or eliminate the 1-cent coin at this time. While production considerations point toward elimination, a thorough analysis of consumer impact has not yet been made. We are proceeding with data gathering and assessment of the consumer impact aspects. A decision should not be made until the potential economic impact on consumers is understood. In the meantime, we recommend that the Congress proceed with its own consideration of these matters.

**Dollar and half-dollar coins**

The Treasury recommends the present dollar coin be replaced with a smaller, more conveniently-sized dollar coin and that the 50-cent piece be eliminated.

The above positions are consistent with the report.

Concerning timing, consideration by the 95th Congress of the 1-cent coin question is a necessity. The decision to expand mint capacity is wholly dependent on the 1-cent decision. If the 1-cent coin is retained and projected demand is to be met, 5-year capacity expansion leadtimes require commencement of facility implementation action this year.



I look forward to working with you and your Committee in bringing about an early conclusion to these issues.

Sincerely,

/s/

W. Michael Blumenthal

The Honorable

Walter E. Fauntroy

Chairman, Subcommittee on Historic Preservation and Coinage

Committee on Banking, Finance and Urban Affairs

U.S. House of Representatives

Washington, DC 20515

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**Exhibit 16.—Statement by Under Secretary of the Treasury Anderson, April 26, 1977, before the Subcommittee on Historic Preservation and Coinage of the House Committee on Banking, Finance, and Urban Affairs**

Mr. Chairman and members of the Subcommittee, I am very pleased to participate in your oversight hearing on commemorative coinage and national medals this morning. I am flattered, Mr. Chairman, that in your letter to Secretary Blumenthal announcing the hearing you specifically requested my appearance as the Department's representative.

**Commemorative Coins**

As you have requested, Mr. Chairman, I will begin my statement with a historical review of commemorative coinage in this country. Beginning in 1892 and until the early 1950's, Congress authorized over 50 different commemorative coin issues. Those authorizations, which started with coins commemorating the World's Columbian Exposition in Chicago in 1892 and ended with a coin issue commemorating Booker T. Washington and George W. Carver in 1951, had two basic objectives—to raise funds for a particular event or objective sponsored by a non Governmental group and to indicate Congressional recognition for a particular event or individual.

To that end, each act of Congress authorizing a special commemorative coin issue directed the Secretary of Treasury to strike the coins and sell them to the sponsoring organization at face value. The sponsoring organization, in turn, resold the coins at a premium. The statutes also provided that the coins so authorized would be legal tender up to their face value and specified the aggregate number of coins in each issue. Some of the statutes imposed a production deadline; others, however, granted open-ended authorization for striking the coins.

During the three decades following 1892, the issuance of special coinage had steadily increased in popularity as a method of raising revenues for private groups. Between 1892 and 1915, only five different commemorative coin issues had been authorized. During the next decade and a half, however, that number had increased to 22 commemorative coin issues. The ever increasing number of authorized commemorative coins finally led to President Hoover's veto of a commemorative coin proposal on April 21, 1930. His veto raised the following objections:

- (1) commemorative coins are contrary to the basic function of the Nation's coinage to serve as a medium of exchange;
- (2) multiplicity of coin designs create confusion among the public and encourage counterfeiting; and

- (3) the authorization of even a single commemorative issue brings forth a flood of other requests for special coins intended to commemorate events of national or local importance.

President Hoover's veto brought a temporary halt to the issuance of commemorative coins. However, Congress again resumed the practice of enacting special coin legislation in 1934 and by 1937 26 different commemorative coin issues had been authorized by Congress. The rapid proliferation of these special coins were viewed with apprehension by President Roosevelt, who, on several occasions, had urged the Congress to terminate the practice of striking commemorative coins and authorize commemorative medals instead. Finally, on June 30, 1938, President Roosevelt vetoed a commemorative coin proposal largely on the same grounds as those set forth in President Hoover's earlier veto message. Partly as a result of the President's action, and to stop what in its view had become a "racket," the Congress enacted legislation on August 5, 1939, which imposed a general prohibition on the issuance of all commemorative coins which it had previously authorized.

Since that time, only two commemorative coins have been authorized by the Congress for non Governmental organizations. In 1946, President Truman approved bills authorizing special coins in commemoration of the Iowa Centennial and honoring Booker T. Washington. In 1951, President Truman approved an amendment extending the authority to mint coins in commemoration of Booker T. Washington and George Washington Carver, as well as to raise funds to maintain memorials in their memory. However, the approval of these measures represented little change in Presidential opposition to commemorative coinage. In fact, President Truman vetoed a commemorative coin proposal on May 4, 1948, and President Eisenhower vetoed three proposals on February 3, 1954.

Treasury's strong opposition to the issuance of commemorative coins for private account has remained unchanged. As in the past, the Department continues to believe that such commemorative coins: Violate the principle for which our coinage system was established; introduce confusion in the system; and, encourage counterfeiting. More important, the approval of even a single commemorative coin issue for a private sponsoring group would inevitably open the floodgate for a multitude of special coinage requests. In sum, Mr. Chairman, there has been no change in the Department's age-old view on this subject—a view hopefully shared by the Congress.

### **Commemorative Medals**

The recognition of individual achievements through the issuance of national medals dates back to the earliest days of the Republic. The first national medals were authorized by the Continental Congress for presentation to the military and naval heroes of the Revolutionary War, including General George Washington and Commander John Paul Jones. This practice, which was codified in the Coinage Act of 1873 when Congress specifically authorized the Mint to design and produce medals of a "national character," continues to the present day. Only a few weeks ago, for example, Congress passed a law authorizing the President to present on behalf of the Congress a gold medal to Marian Anderson in recognition of her outstanding achievements. As in similar medal authorizations of the past, Congress has directed the Secretary to design and produce the gold medal for Miss Anderson and, also, authorize the Secretary to offer bronze duplicates of the medal for sale to the general public. The medals honoring Miss Anderson, just as many medals previously authorized by Congress for outstanding Americans, will thus be made available to the public by the Mint at a price sufficient to reimburse the Mint for its manufacturing expenses.

In addition to awarding national medals for outstanding individual achievements, the Congress has also authorized from time to time national medals for the primary purpose of raising funds for non governmental sponsoring groups. The national medals so approved by Congress have essentially taken the place of the previously authorized commemorative coinage issues. However, as distinguished from commemorative coins, national medals have



no monetary characteristics and are not part of the Nation's coinage system. They serve, nevertheless, the same dual objectives as the commemorative coins Congress had authorized in previous decades; that is, to honor the achievements of an individual or commemorate an event of national importance as well as to generate funds for the objectives associated with the commemoration of the particular individual or event.

Since the early 1950's, approximately 40 different national medals have been authorized by the Congress for these objectives. In the authorizing statutes, Congress has directed the Treasury Department to design and produce the medals and deliver them to the non governmental sponsoring organization upon full payment of the production costs. (In two recent instances, however, in statutes passed in 1973 authorizing medals commemorating Jim Thorpe and the International Exposition in Spokane, the Congress granted a statutory option to the particular sponsoring organization to have the medals struck by private manufacturers using the dies prepared by the Treasury Department.) The quantity of the national medals authorized to be issued as well as the deadline for issuing them is specified in each enabling act. The Department's role in these medal programs has been limited to the production of the medals; the marketing of the medals has been the responsibility of each sponsoring organization.

Also, at least in one recent instance, the Congress has authorized a national medal program with the objective that the medal sales proceeds would accrue to the Government rather than to private, non profit organizations. In February 1972, the Congress passed a statute authorizing the American Revolution Bicentennial Administration, a Federal entity previously established to coordinate Bicentennial activities across the Nation, to issue a series of national medals in honor of the Bicentennial. ARBA was authorized by the Congress to use the funds raised from the sale of the commemorative medals for matching grants supporting Bicentennial projects by state and local organizations throughout the Nation. The medals, as required by the authorizing legislation, have been produced by the Mint for ARBA on a full cost reimbursable basis.

In closing, let me comment briefly on the criteria the Department believes should apply to Congressionally authorized national medals. Some years ago, the Mint and your predecessor subcommittee, the Subcommittee on Consumer Affairs, agreed on informal guidelines for national medals. Under those guidelines, a national medal should honor those events that have contributed to and advanced the history of the country, or those persons whose superior deeds or achievements have embellished our history or who are representative of the finest of accomplishments in service to the Nation. In contrast, events or individual contributions which have only regional significance should not be honored by Congressionally authorized national medals, but, if deemed appropriate by the locality, should be recognized by a privately commissioned medal.

These are viable guidelines and the Department continues to support them. In fact, we believe that the Congress has also found these standards useful in considering medal proposals. Certainly, since this Subcommittee assumed jurisdiction over coinage and medals at the beginning of the 94th Congress, all of the national medals authorized by the Congress have met these guidelines. In addition to Marian Anderson, Congress in the past 2 years has awarded a national medal to retired Air Force General Yeager for his contributions to aerospace science and authorized a national medal commemorating one of the signers of the Declaration of Independence, Charles Carroll. Also, the 94th Congress authorized the issuance of national medals in commemoration of the Bicentennials of the United States Army, Navy, and the Marine Corps. Without doubt, these outstanding Americans and historic events fully deserve to be honored by national medals under the guidelines.

This concludes my statement, Mr. Chairman. I will be glad to answer any questions you may have.



**Exhibit 17.—Press release, June 15, 1977, concerning closing of orders for 1977 proof coin sets**

Acting Director of the Mint Frank H. MacDonald today announced that the Mint ceased taking orders for the 1977 six-coin proof sets on Friday, June 10, 1977.

Under its new mail order system, the Mint will begin accepting orders this fall for the 12-coin 1977 uncirculated sets. The date for acceptance of orders will be announced later.

The uncirculated sets will contain six 1977 coins, one of each denomination, produced at the Philadelphia Mint and six coins manufactured at the Denver Mint, for a total of 12 coins. The six denominations are: a nonsilver dollar, half dollar, and quarter, with pre-Bicentennial designs, a dime and a nickel and a cent.

Persons wishing to be placed on the Mint's mailing list to receive order forms for the 1977 uncirculated sets are requested to write to:

Bureau of the Mint  
55 Mint Street  
San Francisco, CA. 94175

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**Exhibit 18.—Press release, August 8, 1977, concerning proof edition of President Carter's miniature medal**

A bronze proof-quality edition of the miniature of President Jimmy Carter's official Presidential medal will go on sale for the first time at the Mint Exhibit at the American Numismatic Convention, August 23–28, 1977, in Atlanta, Georgia, Acting Director of the Mint Frank H. MacDonald announced today.

Approximately 12,000 proof editions of the 1 $\frac{1}{8}$ " in diameter bronze medal will be struck and packaged for sale at \$2 each at the ANA Convention to be held at the Atlanta Marriott Hotel.

"This is the first time a proof edition of one of the miniatures of the Presidential medal series has been struck for public sale," Mr. MacDonald said. "And if public acceptance warrants the production, the Mint may strike proof editions of the other Presidents' miniature medals."

To assist the Mint in making this determination, purchasers of the Carter proof medal at the ANA Convention are to be asked to participate in a survey to learn their opinions.

The miniatures carry the designs of the official 3" Presidential medals. The Presidents' medals evolved from the series of Indian Peace Medals struck during the earliest days of the Republic for presentation to influential Indian chiefs and warriors. They played an important role in the nation's Indian policy.

Frank Gasparro, the Mint's chief sculptor and engraver, designed both the obverse and reverse of President Carter's official medal. President Carter's portrait appears on the obverse. Fifty stars encircle the reverse design bearing the Presidential seal and an excerpt from his Inaugural Address on January 20, 1977, reading: "The American dream endures. We must once again have faith in our country. Jimmy Carter."

If the initial sale of the proof edition of President Carter's miniature medal proves successful, the proof specimen, as well as the single-struck miniature and the official 3" size, will be offered for sale sometime this fall by mail order and over-the-counter at Mint outlets at the Treasury Department in Washington, D.C., the U.S. Mints at Philadelphia, Pa., and Denver, Colorado, and the Old Mint in San Francisco, Calif. The announcement of their availability will be made at a later date.

The Mint exhibit will also feature daily showings of "The Granite Lady," a color film depicting the California gold rush and the role played by the Old Mint in San Francisco, then and now.

**Exhibit 19.—Press release, August 15, 1977, concerning acceptance of orders for 1977 uncirculated coin sets**

Mr. Frank H. MacDonald, Acting Director of the Mint, today announced that the Mint will begin accepting orders for the 1977 Uncirculated coin sets on September 1, 1977, at the price of \$7 per set.

The 1977 uncirculated coin set consists of 12 coins in two packages—one package containing one of each nonsilver denomination (a cent, nickel, dime, quarter, half dollar, and dollar) manufactured for general circulation at the Denver Mint; and a second package containing one of each nonsilver denomination manufactured at the Philadelphia Mint. The coins are sealed for protection in clear plastic film.

“The uncirculated sets have sold for \$6 per set since 1973,” Mr. MacDonald said. “However, during the past four years, costs have risen about 30 percent for salaries, supplies and postage. Consequently, in order for the program to remain self-supporting, the Mint must raise its price for the 1977 uncirculated coin sets. Congress does not appropriate any tax funds for any of the Mint’s special coins and medals programs.”

The Mint expects to accept orders for the 1977 uncirculated coin sets from September 1 through October 31, 1977. They will be filled as closely as possible on a first-come-first-served basis for mailing through December 31, 1977.

Orders are limited to five sets per person. And a check or money order made payable to the Bureau of the Mint must accompany each order. The \$7 price per set includes delivery by first class, registered mail.

For further information, please write to:

Bureau of the Mint  
55 Mint Street  
San Francisco, CA. 94175

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**Exhibit 20.—Press release, September 16, 1977, concerning availability by mail of proof edition of President Carter’s miniature medal**

The new proof edition of the Jimmy Carter presidential miniature medals will be available by mail order, Frank H. MacDonald, Acting Director of the Mint announced today. The mail order price is set at \$2.50, which includes postage, insurance, and handling. Orders or request for additional information may be sent to: Bureau of the Mint, 55 Mint Street, San Francisco, CA 94175.

Never before has the Mint struck the Presidential medals series in proof edition. The Jimmy Carter proof edition medal was first available for sale at the American Numismatic Association’s annual convention in Atlanta during August.

Buyers at the convention were surveyed as to their degree of satisfaction with the medal and asked whether they would like to see additional Presidential medals struck in proof edition. Sixty-three percent rated the Jimmy Carter proof edition medal as “Excellent”; 28 percent as “Good”; 8 percent as “Fair”; and only 5 percent as “Poor”. Of the 198 people who responded to the survey questions, 74 percent want the Mint to strike other Presidential medals in proof edition.

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# TABLES

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## Tables

**TABLE 1.—U.S. coins manufactured, fiscal year 1977**

[For metallic composition see table 4]

### I. SUMMARY

Denomination	General circulation		Numismatic <sup>1</sup>		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel .	41,118,277	\$41,118,277.00	3,787,152	\$3,787,152.00	44,905,429	\$44,905,429.00
Silver clad ..			398,449	398,449.00	398,449	398,449.00
50 cents:						
Cupronickel .	98,275,999	49,137,999.50	3,787,152	1,893,576.00	102,063,151	51,031,575.50
Silver clad ..			398,449	199,224.50	398,449	199,224.50
25 cents:						
Cupronickel .	<sup>2</sup> 701,689,590	175,422,397.50	3,787,152	946,788.00	705,476,742	176,369,185.50
Silver clad ..			398,449	99,612.25	398,449	99,612.25
10 cents .....	1,216,283,525	121,628,352.50	3,787,152	378,715.20	1,220,070,677	122,007,067.70
5 cents .....	993,042,898	49,652,144.90	3,787,152	189,357.60	996,830,050	49,841,502.50
1 cent .....	<sup>3</sup> 8,525,938,206	85,259,382.06	3,787,152	37,871.52	8,529,725,358	85,297,253.58
Total .....	<sup>4</sup> 11,576,348,495	522,218,553.46	23,918,259	7,930,746.07	11,600,266,754	530,149,299.53

### II. NUMBER AND FACE VALUE OF COINS PRODUCED, PHILADELPHIA AND DENVER MINTS<sup>5</sup>

Denomination	Philadelphia Mint		Denver Mint		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel .	12,254,000	\$12,254,000.00	28,864,277	\$28,864,277.00	41,118,277	\$41,118,277.00
50 cents .....	55,936,000	27,968,000.00	42,339,999	21,169,999.50	98,275,999	49,137,999.50
25 cents .....	362,456,000	90,614,000.00	332,857,590	83,214,397.50	695,313,590	173,828,397.50
10 cents .....	750,420,000	75,042,000.00	465,863,525	46,586,352.50	1,216,283,525	121,628,352.50
5 cents .....	588,352,000	29,417,600.00	404,690,898	20,234,544.90	993,042,898	49,652,144.90
1 cent .....	2,843,355,000	28,433,550.00	4,292,733,206	42,927,332.06	7,136,088,206	71,360,882.06
Total .....	4,612,773,000	263,729,150.00	5,567,349,495	242,996,903.46	10,180,122,495	506,726,053.46

<sup>1</sup> All numismatic coins were manufactured at the U.S. Assay Office, San Francisco, and included 1,582,259 1976 proof sets (dollar, half dollar, and quarter dollar dated 1776-1976; all other denominations dated 1976), 2,204,893 1977 proof sets, 163,906 Bicentennial proof sets, and 234,543 Bicentennial uncirculated sets.

<sup>2</sup> Includes 6,376,000 quarter dollars produced at the U.S. Bullion Depository, West Point.

<sup>3</sup> Includes 1,389,850,000 1-cent coins produced at the U.S. Bullion Depository at West Point.

<sup>4</sup> Includes 7,923,277 Bicentennial dollars, 29,073,999 Bicentennial half dollars, and 195,683,590 Bicentennial quarter dollars. Other coins of these denominations were dated 1977.

<sup>5</sup> All coins for general circulation were produced at Philadelphia and Denver.

TABLE 2.—*Subsidiary clad coins manufactured under the Coinage Act of 1965, 1970–September 1977*

Calendar year or month	Number of pieces			
	Half dollars	Quarter dollars	Dimes	Total subsidiary coinage
1970 <sup>1</sup> .....	4,782,810	556,394,174	1,103,144,910	1,664,321,894
1971 <sup>2</sup> .....	460,485,562	371,142,566	543,828,378	1,375,456,506
1972 <sup>3</sup> .....	298,337,667	529,383,399	765,097,667	1,592,818,733
1973 <sup>4</sup> .....	150,905,024	582,671,024	773,472,050	1,507,048,098
1974 <sup>5</sup> .....	193,848,350	587,286,350	1,043,948,350	1,825,083,050
1975 <sup>6</sup> .....	475,946,493	1,394,516,493	902,288,569	2,772,751,555
Total 1970–75 .....	1,584,305,906	4,021,394,006	5,131,779,924	10,737,479,836
1976:				
January .....	17,556,966	80,302,966	49,492,927	147,352,859
February .....	16,951,428	81,007,428	82,743,211	180,702,067
March .....	22,679,869	104,255,869	98,645,641	225,581,379
April .....	19,431,412	67,639,412	110,732,871	197,803,695
May .....	25,305,808	66,093,808	101,651,782	193,051,398
June .....	15,623,558	59,779,558	82,152,905	157,556,021
Subtotal Jan–June 1976 .....	117,549,041	459,079,041	525,419,337	1,102,047,419
July .....	599,087	61,055,087	119,467,130	181,121,304
August .....	478,776	70,850,776	150,936,942	222,266,494
September .....	413,974	71,421,974	165,387,311	237,223,259
October .....	10,552,457	69,664,457	88,138,795	168,355,709
November .....	15,242,101	66,562,101	129,865,489	211,669,691
December .....	5,117,154	61,294,745	88,917,500	155,329,399
Subtotal July–Dec. 1976 .....	32,403,549	400,849,140	742,713,167	1,175,965,856
Total Jan.–Dec. 1976 <sup>7</sup> .....	149,952,590	859,928,181	1,268,132,504	2,278,013,275
1977:				
January .....	12,925,865	53,791,865	89,910,000	156,627,730
February .....	4,530,555	19,118,555	55,890,004	79,539,114
March .....	8,009,363	65,749,363	123,350,000	197,108,726
April .....	9,294,407	46,378,407	136,558,500	192,231,314
May .....	7,227,309	44,417,309	123,809,006	175,453,624
June .....	11,420,491	85,368,491	140,031,015	236,819,997
Subtotal Jan.–June 1977 <sup>8</sup> .....	53,407,990	314,823,990	669,548,525	1,037,780,505
July .....	6,395,852	50,129,852	83,495,471	140,021,175
August .....	5,235,353	74,031,353	79,996,095	159,262,801
September .....	6,510,693	69,368,693	80,108,802	155,988,188
Subtotal July–Sept. 1977 <sup>9</sup> .....	18,141,898	193,529,898	243,600,368	455,272,164
Cumulative total .....	1,805,808,384	5,389,676,075	7,313,061,321	14,508,545,780

<sup>1</sup> Includes 2,632,810 proof coin sets, i.e., 2,632,810 coins of each denomination (7,898,430 subsidiary coins).  
<sup>2</sup> Includes 3,224,138 proof coin sets, i.e., 3,224,138 coins of each denomination (9,672,414 subsidiary coins).  
<sup>3</sup> Includes 3,267,667 proof coin sets, i.e., 3,267,667 coins of each denomination (9,803,001 subsidiary coins).  
<sup>4</sup> Includes 2,769,624 proof sets, i.e., 2,769,624 coins of each denomination (8,309,872 subsidiary coins).  
<sup>5</sup> Includes 2,617,350 proof sets, i.e., 2,617,350 coins of each denomination (7,852,050 subsidiary coins).  
<sup>6</sup> Includes 2,909,369 regular proof coin sets, i.e., 2,909,369 coins of each denomination (8,728,107 subsidiary coins); 2,250,302 Bicentennial proof 40-percent silver-clad half dollars and quarters and 2,841,522 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.  
<sup>7</sup> Includes 4,149,730 regular proof sets, i.e., 4,149,730 coins of each denomination (12,449,190 subsidiary coins); 1,045,412 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 1,398,200 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.  
<sup>8</sup> Includes 1,026,525 regular proof sets, i.e., 1,026,525 coins of each denomination (3,079,575 subsidiary coins); 59,826 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 63,639 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.  
<sup>9</sup> Includes 1,178,368 regular proof sets, i.e., 1,178,368 coins of each denomination (3,535,104 subsidiary coins); 19,338 Bicentennial proof 40-percent silver clad half dollars and quarters; and 192 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.  
<sup>r</sup>Revised.

NOTE.—All special mint and proof coins from 1970 through September 1976 were manufactured at the San Francisco Assay Office.



TABLE 3.—*Production of Kennedy half dollars, fiscal years 1964—1977*

[Number of pieces]

Fiscal year	For general circulation				Proof and Special Mint coins <sup>4</sup>	Total
	90 percent silver <sup>1</sup>	40 percent silver <sup>2</sup>	Nonsilver clad <sup>3</sup>	Total		
1964.....	91,851,612			91,851,612	1,864,859	93,716,471
1965.....	192,536,358			192,536,358	2,085,903	194,622,261
1966.....	145,121,480	54,533,338		199,654,818	2,350,000	202,004,818
1967.....		300,476,355		300,476,355	2,968,734	303,445,089
1968.....		307,314,000		307,314,000	2,438,263	309,752,263
1969.....		100,011,930		100,011,930	3,468,945	103,480,875
1970.....		79,787,800		79,787,800	2,435,255	82,223,055
1971.....		<sup>5</sup> 2,150,000	278,909,904	281,059,904	<sup>6</sup> 3,175,571	284,235,475
1972.....			352,933,520	352,933,520	2,545,587	355,479,107
1973.....			215,687,700	215,687,700	3,018,002	218,705,702
1974.....			126,573,600	126,573,600	3,241,388	129,814,988
1975.....			407,663,100	407,663,100	<sup>7</sup> 1,332,139	408,995,239
1976.....			292,109,349	292,109,349	<sup>8</sup> 11,314,955	303,424,304
July–Sept. 1976			51,200	51,200	<sup>9</sup> 1,440,637	1,491,837
1977.....			98,275,999	98,275,999	<sup>10</sup> 4,185,601	102,461,600
Total.....	429,509,450	844,273,423	1,772,204,372	3,045,987,245	47,865,839	3,093,853,084

<sup>1</sup> Composition of coins was 900 parts silver and 100 parts copper.<sup>2</sup> 3-layer composite coin: outer cladding 800 parts silver, 200 parts copper bonded to a core of approximately 209 parts silver, 791 parts copper. The average silver content was 40 percent of the standard gross weight.<sup>3</sup> Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.<sup>4</sup> Available only in sets.<sup>5</sup> Produced for inclusion in uncirculated sets with overrun for replacement of lost sets.<sup>6</sup> Consists of 1,432,678 coins of 40 percent silver and 1,742,893 nonsilver clad coins.<sup>7</sup> Consists of 1,330,909 1974-dated nonsilver clad coins, 34 Bicentennial nonsilver clad coins, and 1,196 Bicentennial 40-percent silver clad coins.<sup>8</sup> Consists of 4,626,623 Bicentennial nonsilver clad coins and 6,688,332 Bicentennial 40-percent silver clad coins.<sup>9</sup> Consists of 850,183 Bicentennial nonsilver clad coins and 590,454 Bicentennial 40-percent silver clad coins.<sup>10</sup> Consists of 2,204,893 1977 dated nonsilver clad coins, 1,582,259 Bicentennial nonsilver clad coins, and 398,449 Bicentennial 40-percent silver clad coins.TABLE 4.—*Specifications, metallic composition, and designs of U.S. coins*

## SPECIFICATIONS

Denomination	Face value	Shape of coins	Type of edge	Diameter		Thickness		Standard gross weight	
				Inches	Milli- meters	Inches	Milli- meters	Grains	Grams
Dollar: <sup>1</sup>									
Silver clad <sup>2 3</sup> .....	1 dollar	Round	Milled..	1.500	38.10	0.100	2.54	379.51	24.592
Cupronickel.....	...do...	...do...	...do...	1.500	38.10	.100	2.54	350.00	22.680
Half dollar:									
Silver clad <sup>3</sup> .....	50 cents	...do...	...do...	1.205	30.61	.086	2.18	177.50	11.500
Cupronickel.....	...do...	...do...	...do...	1.205	30.61	.086	2.18	175.00	11.340
Quarter dollar:									
Silver clad <sup>3</sup> .....	25 cents	...do...	...do...	.955	24.26	.067	1.70	88.73	5.750
Cupronickel.....	...do...	...do...	...do...	.955	24.26	.067	1.70	87.50	5.670
Dime.....	10 cents	...do...	...do...	.705	17.91	.053	1.35	35.00	2.268
5-cent piece.....	5 cents	...do...	Smooth	.835	21.21	.078	1.98	77.16	5.000
1-cent piece.....	1 cent.	...do...	...do...	.750	19.05	.062	1.57	48.00	3.110

Footnotes at end of table.

TABLE 4.—*Specifications, metallic composition, and designs of U.S. coins—Continued*  
METALLIC COMPOSITION

Denomination	Type	Proportions of metals
Dollar:		
Silver clad <sup>2</sup> <sup>3</sup> .....	3-layer composite .....	Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approximately 209 parts silver and 791 parts copper.
Cupronickel <sup>4</sup> .....	do .....	Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.
Half dollar:		
Silver clad <sup>3</sup> .....	do .....	Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approximately 209 parts silver and 791 parts copper.
Cupronickel .....	do .....	Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.
Quarter dollar:		
Silver clad <sup>3</sup> .....	do .....	Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approximately 209 parts silver and 791 parts copper.
Cupronickel .....	do .....	Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.
Dime.....	do .....	Do.
5-cent piece .....	Homogeneous alloy .....	75 percent copper, 25 percent nickel.
1-cent piece .....	do .....	95 percent copper, 5 percent zinc.

DESIGNS ON COINS AUTHORIZED<sup>5</sup> THROUGH DEC. 31, 1976

Denomination	Portraits on obverse	Reverse	First coined	First issued
Dollar:				
Regular.....	Dwight D. Eisenhower.	Eagle symbolic of the Apollo 11 Moon landing.	June 1971.....	November 1971.
Bicentennial <sup>3</sup> .....	do .....	Liberty Bell overlapping Moon.	March 1975.....	October 1975.
Half dollar:				
Regular.....	John F. Kennedy .....	Presidential coat of arms.	February 1964.....	March 1964.
Bicentennial <sup>3</sup> .....	do .....	Independence Hall .....	April 1975 .....	July 1975.
Quarter dollar:				
Regular.....	George Washington.....	Eagle .....	April 1932 .....	August 1932.
Bicentennial <sup>3</sup> .....	do .....	Colonial drummer.....	May 1975.....	August 1975.
Dime.....	Franklin D. Roosevelt..	Torch of Liberty .....	January 1946 .....	January 1946.
5-cent piece .....	Thomas Jefferson .....	Monticello .....	October 1938 .....	November 1938.
1-cent piece .....	Abraham Lincoln <sup>6</sup> .....	Lincoln Memorial <sup>6</sup> .....	January 1959 .....	January 1959.

<sup>1</sup> Amendments to the Coinage Act of 1965, Public Law 91-607, Dec. 31, 1970, authorized the Secretary of the Treasury to mint dollar coins.

<sup>2</sup> Public Law 91-607, authorized the Secretary of the Treasury to mint and issue not more than 150,000,000 silver-clad dollars. These numismatic coins were first released in August 1971.

<sup>3</sup> Public Law 93-127, Oct. 18, 1973, authorized the Secretary of the Treasury to mint dollar, half-dollar, and quarter-dollar coins with designs on the reverse emblematic of the Bicentennial of the American Revolution. This law provided that these coins could be produced but not issued prior to July 4, 1975. The same legislation authorized the Secretary of the Treasury to mint 45,000,000 silver-clad coins (of the 150,000,000 authorized under the act of Dec. 31, 1970) of the same designs for inclusion in special 3-coin proof and uncirculated sets. Production of Bicentennial coins was discontinued on Dec. 31, 1976.

<sup>4</sup> Dollars for general circulation were authorized by Public Law 91-607, and were first manufactured and issued during fiscal 1972. Coins with identical characteristics were made in proof quality for inclusion in proof coin sets beginning in January 1973.

<sup>5</sup> The design of a U.S. coin may not be changed more frequently than once in 25 years, except by act of Congress.

<sup>6</sup> The Abraham Lincoln 1-cent piece with wheat wreath design on the reverse was coined from June 1909 through December 1958.

**TABLE 5.—Consumption of metals in the manufacture of U.S. coins, fiscal year 1977**

[Based on standard weight of individual coins. See table 4]

Denomination	Metallic content — short tons				
	Silver	Copper	Nickel	Zinc	Total
Dollars:					
Regular issue .....		942.34	85.63.....		1,027.97
Numismatic:					
Cupronickel.....		86.79	7.89.....		94.68
Silver clad.....	4.32	6.48 .....			10.80
Total .....	4.32	1,035.61	93.52.....		1,133.45
Half dollars:					
Regular issue .....		1,126.14	102.33.....		1,228.47
Numismatic:					
Cupronickel.....		43.40	3.94.....		47.34
Silver clad.....	2.02	3.03 .....			5.05
Total .....	2.02	1,172.57	106.27.....		1,280.86
Quarter dollars:					
Regular issue .....		4,020.31	365.32.....		4,385.63
Numismatic:					
Cupronickel.....		21.70	1.97.....		23.67
Silver clad.....	1.01	1.52 .....			2.53
Total .....	1.01	4,043.53	367.29.....		4,411.83
Dimes:					
Regular issue .....		2,787.46	253.30.....		3,040.76
Proof coins .....		8.68	.79.....		9.47
Total .....		2,796.14	254.09.....		3,050.23
5-cent pieces:					
Regular issue .....		4,104.91	1,368.30.....		5,473.21
Proof coins .....		15.65	5.22.....		20.87
Total .....		4,120.56	1,373.52.....		5,494.08
1-cent pieces:					
Regular issue .....		27,767.09 .....		1,461.43	29,228.52
Proof coins .....		12.33 .....		.65	12.98
Total .....		27,779.42 .....		1,462.08	29,241.50
Summary:					
Regular issue .....		40,748.25	2,174.88	1,461.43	44,384.56
Numismatic:					
Cupronickel.....		151.89	13.80.....		165.69
Silver clad.....	7.35	11.03 .....			18.38
Proof coins .....		36.66	6.01	.65	43.32
Grand total .....	7.35	40,947.83	2,194.69	1,462.08	44,611.95



**TABLE 6.**—*Shipments by the Bureau of the Mint of newly manufactured U.S. coins for general circulation, fiscal year 1976, July–September 1976, and fiscal year 1977*

Denomination	Number of coins	Face value	Gross weight
FISCAL YEAR 1976			
			<i>Short tons</i>
1 dollar.....	146,400,000	\$146,400,000.00	3,660.06
50 cents .....	239,900,000	119,950,000.00	2,998.80
25 cents .....	1,072,000,000	268,000,000.00	6,700.11
10 cents .....	874,400,000	87,440,000.00	2,186.04
5 cents .....	618,200,000	30,910,000.00	3,407.24
1 cent .....	7,711,700,000	77,117,000.00	26,437.16
Total.....	10,662,600,000	729,817,000.00	45,389.41
JULY-SEPTEMBER 1976			
			<i>Short tons</i>
1 dollar.....	12,900,000	\$12,900,000.00	322.50
50 cents .....	42,800,000	21,400,000.00	535.01
25 cents .....	193,600,000	48,400,000.00	1,210.02
10 cents .....	232,000,000	23,200,000.00	580.01
5 cents .....	114,300,000	5,715,000.00	629.97
1 cent .....	2,030,200,000	20,302,000.00	6,959.91
Total.....	2,625,800,000	131,917,000.00	10,237.42
FISCAL YEAR 1977			
			<i>Short tons</i>
1 dollar.....	50,600,000	\$50,600,000	1,265.02
50 cents .....	75,200,000	37,600,000	940.02
25 cents .....	729,200,000	182,300,000	4,557.58
10 cents .....	814,500,000	81,450,000	2,036.28
5 cents .....	673,700,000	33,685,000	3,713.13
1 cent .....	8,362,600,000	83,626,000	28,668.56
Total.....	10,705,800,000	469,261,000	41,180.59

NOTE.—Coins are shipped for distribution through the facilities of the 12 Federal Reserve banks, their 25 branches, and the U.S. Treasury, Washington, D.C.

TABLE 7.—*Inventories of U.S. coins June 30, 1976, September 30, 1976, and September 30, 1977*

[Number of pieces]

Denomination	Mints	Federal Reserve banks and U.S. Treasury	Total
JUNE 30, 1976			
1 dollar.....	69,400,000	37,495,592	106,895,592
50 cents.....	154,900,000	96,833,880	251,733,880
25 cents.....	555,100,000	602,128,528	1,157,228,528
10 cents.....	314,600,000	805,154,150	1,119,754,150
5 cents.....	280,500,000	463,871,260	744,371,260
1 cent.....	1,873,900,000	871,851,700	2,745,751,700
Total.....	3,248,400,000	2,877,335,110	6,125,735,110
SEPTEMBER 30, 1976			
1 dollar.....	56,500,000	40,836,201	97,336,201
50 cents.....	112,100,000	112,547,130	224,647,130
25 cents.....	563,300,000	656,059,860	1,219,359,860
10 cents.....	522,500,000	846,809,730	1,369,309,730
5 cents.....	378,800,000	450,967,560	829,767,560
1 cent.....	2,108,100,000	1,158,095,700	3,266,195,700
Total.....	3,741,300,000	3,265,316,181	7,006,616,181
SEPTEMBER 30, 1977			
1 dollar.....	46,900,000	44,900,117	91,800,117
50 cents.....	135,200,000	89,295,644	224,495,644
25 cents.....	535,700,000	522,702,776	1,058,402,776
10 cents.....	924,200,000	713,477,910	1,637,677,910
5 cents.....	698,000,000	358,743,600	1,056,743,600
1 cent.....	2,271,700,000	664,031,300	2,935,731,300
Total.....	4,611,700,000	2,393,151,347	7,004,851,347

**TABLE 8.—Location of U.S. fractional coins on selected dates, June 1970—  
September 1977**

[Face value of 50, 25, 10, 5, and 1 cent denominations combined]

End of month	Held by the Treasury	Held by the Federal Reserve banks	In circulation <sup>1</sup>	Total outstanding
1970:				
June .....	\$13,924,455	\$217,401,466	\$5,646,416,079	\$5,877,742,000
December .....	23,358,707	220,410,604	5,799,729,689	6,043,499,000
1971:				
June .....	44,286,259	282,535,012	5,989,912,729	6,316,734,000
December .....	44,321,753	241,795,654	6,209,125,593	6,495,243,000
1972:				
June .....	87,774,629	267,578,476	6,383,441,895	6,738,795,000
December .....	52,945,004	268,083,504	6,615,295,492	6,936,324,000
1973:				
June .....	95,011,636	263,581,703	6,793,148,661	7,151,742,000
December .....	68,546,158	243,297,881	7,025,749,961	7,337,594,000
1974:				
June .....	45,784,085	201,854,697	7,274,671,218	7,522,310,000
December .....	52,996,828	221,644,601	7,538,733,571	7,813,375,000
1975:				
January .....	66,457,701	308,115,504	7,489,446,795	7,864,020,000
February .....	84,176,108	341,256,514	7,493,986,378	7,919,419,000
March .....	120,953,766	332,049,493	7,535,435,741	7,988,439,000
April .....	156,637,093	324,222,378	7,579,931,529	8,060,791,000
May .....	170,564,603	345,814,088	7,624,111,309	8,140,490,000
June .....	195,857,040	340,503,927	7,680,844,033	8,217,205,000
July .....	204,268,329	316,535,133	7,776,670,538	8,297,474,000
August .....	196,144,641	317,263,382	7,858,275,977	8,371,684,000
September .....	218,221,071	365,045,184	7,862,688,745	8,445,955,000
October .....	238,950,673	366,659,679	7,906,332,648	8,511,943,000
November .....	243,131,923	341,736,377	7,980,447,700	8,565,316,000
December .....	240,649,199	314,168,058	8,055,607,743	8,610,425,000
1976:				
January .....	260,413,373	371,814,641	8,022,642,986	8,654,871,000
February .....	281,688,942	379,574,919	8,041,391,139	8,702,655,000
March .....	311,446,283	336,981,385	8,114,490,332	8,762,918,000
April .....	313,901,230	310,440,681	8,187,276,089	8,811,618,000
May .....	305,008,842	320,674,859	8,235,238,299	8,860,922,000
June .....	297,681,403	298,983,684	8,303,747,913	8,900,413,000
July .....	285,875,767	319,310,894	8,331,403,339	8,936,590,000
August .....	284,113,272	324,694,352	8,371,707,376	8,980,515,000
September .....	299,744,295	331,010,829	8,396,663,876	9,027,419,000
October .....	307,139,395	340,285,198	8,422,132,407	9,069,557,000
November .....	314,252,341	315,974,478	8,487,066,181	9,117,293,000
December .....	314,045,040	322,948,625	8,517,752,335	9,154,746,000
1977:				
January .....	343,528,908	352,916,982	8,499,622,110	9,196,068,000
February .....	356,651,563	344,630,155	8,511,930,282	9,213,212,000
March .....	375,469,724	311,991,552	8,573,639,724	9,261,101,000
April .....	374,551,952	296,645,539	8,631,903,509	9,303,101,000
May .....	369,458,040	274,395,884	8,697,614,076	9,341,468,000
June .....	375,946,336	267,613,613	8,750,232,051	9,393,792,000
July .....	360,451,847	272,581,676	8,794,059,477	9,427,093,000
August .....	366,971,322	241,356,191	8,858,403,487	9,466,731,000
September .....	364,756,378	264,441,342	8,876,810,280	9,506,008,000

<sup>1</sup> Includes coins in commercial banks and coins held by the public.

SOURCE.—"Monthly Statement of United States Currency and Coin," Bureau of Government Financial Operations, Department of the Treasury.



**TABLE 9.—Location of U.S. clad dollars on selected dates, July 1971—  
September 1977**  
[Face value]

End of month	Held by the Treasury	Held by the Federal Reserve banks	In circulation <sup>1</sup>	Total outstanding
1971:				
July .....	\$7,749,000			\$7,749,000
December .....	14,391,505	\$18,022,951	\$83,966,544	116,381,000
1972:				
June .....	28,549,115	50,415,192	151,116,693	230,081,000
December .....	47,365,037	44,625,301	189,637,662	281,628,000
1973:				
June .....	21,719,291	40,804,999	223,098,710	285,623,000
December .....	6,702,505	27,434,158	251,451,337	285,588,000
1974:				
June .....	11,418,589	16,135,321	283,174,090	310,728,000
December .....	17,850,433	19,109,238	310,917,329	347,877,000
1975:				
January .....	17,772,472	19,513,070	313,525,458	350,811,000
February .....	23,266,465	19,324,024	318,937,511	361,528,000
March .....	33,342,988	18,808,941	322,250,071	374,402,000
April .....	33,975,332	22,433,412	324,308,256	380,717,000
May .....	29,361,137	21,626,814	331,530,049	382,518,000
June .....	28,167,243	18,697,096	333,784,661	380,649,000
July .....	24,362,315	19,493,884	338,608,801	382,465,000
August .....	30,469,188	47,629,286	312,423,526	390,522,000
September .....	16,643,685	36,710,215	345,918,100	399,272,000
October .....	24,289,476	32,149,462	385,872,062	442,311,000
November .....	47,110,411	33,316,433	403,588,156	484,015,000
December .....	66,797,902	30,778,374	421,954,724	519,531,000
1976:				
January .....	65,817,146	33,746,933	428,928,921	528,493,000
February .....	68,315,264	34,386,349	436,681,387	539,383,000
March .....	80,720,161	30,298,889	441,575,950	552,595,000
April .....	78,579,757	32,469,842	448,622,401	559,672,000
May .....	77,724,821	35,624,768	452,721,411	566,071,000
June .....	74,753,596	36,716,338	459,017,066	570,487,000
July .....	69,245,238	38,994,948	462,246,814	570,487,000
August .....	64,963,861	38,826,464	466,696,675	570,487,000
September .....	60,250,727	40,629,329	469,606,944	570,487,000
October .....	57,731,657	41,706,780	473,636,563	573,075,000
November .....	53,027,039	44,391,892	477,594,069	575,013,000
December .....	51,868,293	42,621,004	483,877,703	578,367,000
1977:				
January .....	52,968,093	41,458,714	488,247,193	582,674,000
February .....	51,882,740	41,486,577	490,686,683	584,056,000
March .....	52,470,032	47,417,501	491,365,467	591,253,000
April .....	49,276,960	44,310,093	501,176,947	594,764,000
May .....	48,961,350	46,851,171	502,766,479	598,579,000
June .....	48,862,073	46,200,542	506,521,385	601,584,000
July .....	51,101,428	45,181,349	510,347,223	606,630,000
August .....	50,569,361	42,492,612	515,847,027	608,909,000
September .....	53,531,400	44,053,879	517,149,721	614,735,000

<sup>1</sup> Includes coins in commercial banks and coins held by the public.

SOURCE.—"Monthly Statement of United States Currency and Coin," Bureau of Government Financial Operations, Department of the Treasury.

**TABLE 10.**—*Summary of uncurrent U.S. coins withdrawn from circulation, fiscal year 1976, July—September 1976, and fiscal year 1977*

Denomination	Pieces	Face value
FISCAL YEAR 1976		
Standard silver dollars.....		
Cupronickel dollars.....	34,643	\$34,643
50 cents.....	112,329	56,165
25 cents.....	2,022,168	505,542
10 cents.....	3,230,710	323,071
5 cents.....	1,867,007	93,350
1 cent.....	7,685,443	76,854
Total.....	14,952,300	1,089,625
JULY-SEPTEMBER 1976		
Standard silver dollars.....		
Cupronickel dollars.....	6,775	\$6,775
50 cents.....	11,665	5,833
25 cents.....	232,597	58,149
10 cents.....	333,549	33,355
5 cents.....	232,282	11,614
1 cent.....	854,826	8,548
Total.....	1,671,694	124,274
FISCAL YEAR 1977		
Standard silver dollars.....		
Cupronickel dollars.....	45,217	\$45,217
50 cents.....	145,884	72,942
25 cents.....	1,702,949	425,737
10 cents.....	2,670,786	267,079
5 cents.....	1,706,735	85,337
1 cent.....	7,878,171	78,782
Total.....	14,149,742	975,094

NOTE.—Represents coins received at mint institutions.

TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal year 1976, July–September 1976, and fiscal year 1977*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	July-Sept. 1976	Fiscal year 1977
<i>Presidential</i>				
101	George Washington .....	2,092.....		714
102	John Adams .....	452	846.....	
103	Thomas Jefferson.....	1,182.....		225
104	James Madison .....	498.....		
105	James Monroe .....	472.....		
106	John Quincy Adams .....	177.....		
107	Andrew Jackson.....	861.....		
108	Martin Van Buren.....	508.....		
109	William Henry Harrison .....	293.....		
110	John Tyler.....	299.....		
111	James K. Polk.....	152.....		
112	Zachary Taylor.....	296.....		
113	Millard Fillmore.....	287.....		
114	Franklin Pierce .....	292.....		
115	James Buchanan .....	119.....		
116	Abraham Lincoln.....	2,368.....		1,594
117	Andrew Johnson .....	506.....		
118	Ulysses S. Grant .....	580.....		
119	Rutherford B. Hayes.....	399.....		
120	James A. Garfield.....	112.....		
121	Chester A. Arthur .....	208.....		
122	Grover Cleveland .....			
123	Benjamin Harrison.....			
124	William McKinley.....	171.....		
125	Theodore Roosevelt.....	976.....		
126	William H. Taft .....			
127	Woodrow Wilson.....	180.....		
128	Warren G. Harding .....	330.....		
129	Calvin Coolidge .....	604.....		
130	Herbert Hoover .....	589.....		
131	Franklin D. Roosevelt.....	1,621.....		
132	Harry S. Truman.....	979.....		3,639
133	Dwight D. Eisenhower (1st term).....	1,471.....		
134	Dwight D. Eisenhower (2d term).....	1,407.....		
135	John F. Kennedy.....	2,543	1,094	1,993
136	Lyndon B. Johnson (1st term) .....	658.....		
137	Lyndon B. Johnson (2d term).....	679.....		
138	Richard M. Nixon (1st term).....	1,017.....		
139	Richard M. Nixon (2d term).....	351.....		
140	Gerald R. Ford .....	2,414.....		209
141	Jimmy Carter.....			2,961
Total Presidential series.....		28,143	1,940	11,335
<i>Secretaries of the Treasury</i>				
201	Alexander Hamilton.....	867	321.....	
202	William Windom .....			
203	John G. Carlisle.....	120.....		
204	Daniel Manning .....	121.....		
205	Lyman J. Gage.....	170.....		
206	Leslie M. Shaw .....	159.....		
207	George B. Cortelyou.....	143.....		
208	Franklin MacVeagh .....	200.....		
209	William McAdoo.....			
210	Carter Glass .....			
211	Andrew W. Mellon .....			
212	Ogden L. Mills.....			
213	William H. Woodin .....			
214	Henry Morgenthau, Jr.....	119.....		
215	Fred M. Vinson .....	175.....		



TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal year 1976, July–September 1976, and fiscal year 1977—Continued*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	July–Sept. 1976	Fiscal year 1977
<i>Secretaries of the Treasury—Continued</i>				
216	John W. Snyder.....	156.....		
217	George M. Humphrey.....	165.....		
218	Robert B. Anderson.....	168.....		
219	Douglas Dillon.....			
220	Henry H. Fowler.....			
221	Albert Gallatin.....	121.....		223
222	Joseph W. Barr.....	162.....		
223	David M. Kennedy.....			
224	John B. Connally.....	108.....		
225	George P. Shultz.....	116.....		
226	William E. Simon.....	386.....		
Total Secretaries of the Treasury.....		3,456	321	223
<i>Directors of the Mint</i>				
301	David Rittenhouse, Philadelphia, Pa.....	383.....		
302	Robert M. Patterson, Philadelphia, Pa.....	153.....		
303	J. Ross Snowden, Philadelphia, Pa.....	166.....		
304	James Pollock, Philadelphia, Pa.....	170.....		
305	Henry R. Linderman, Washington, D.C.....	170.....		
306	Horatio C. Burchard, Washington, D.C.....	160.....		
307	James P. Kimball, Washington, D.C.....	172.....		
308	Edward O. Leech, Washington, D.C.....	174.....		
309	Robert E. Preston, Washington, D.C.....			
310	George E. Roberts, Washington, D.C.....	162.....		
311	F.J.H. von Engelken, Washington, D.C.....	167.....		
312	Robert W. Woolley, Washington, D.C.....	161.....		
313	Raymond T. Baker, Washington, D.C.....			
314	F.E. Scobey, Washington, D.C.....			
315	R.J. Grant, Washington, D.C.....	162.....		
316	Nellie Tayloe Ross, Washington, D.C.....	154.....		
317	William H. Brett, Washington, D.C.....	164.....		
318	Eva Adams (1st term) Washington, D.C.....			
319	Eva Adams (2d term) Washington, D.C.....	167.....		
320	Mary Brooks, Washington, D.C.....	168.....		
Total Directors of the Mint.....		2,853.....		
<i>Army</i>				
401	Washington before Boston.....	844.....		
402	Maj. Gen. Gates, for Saratoga.....	218.....		
403	Brig. Gen. Morgan, for Cowpens.....	297.....		
404	Lt. Col. John E. Howard, for Cowpens.....	772.....		
405	Lt. Col. W.A. Washington, for Cowpens.....	176.....		
406	Count DeFleury, for Stony Point.....	533.....		
407	Maj. Gen. Anthony Wayne, for Stony Point.....	322.....		
408	Maj. Gen. Nathaniel Greene for Eutaw Springs.....	334.....		
409	Maj. Henry Lee, Paulus Hook.....	159.....		
410	Maj. Gen. Scott, for Chippewa and Niagara.....	287.....		
411	Maj. Gen. Gaines, for Fort Erie.....	269.....		
412	Maj. Gen. Porter, for Chippewa, Niagara and Erie.....	272.....		
413	Maj. Gen. Brown, for Chippewa, Niagara and Erie.....	170.....		
414	Brig. Gen. Miller, for Chippewa, Niagara and Erie.....	322.....		
415	Brig. Gen. Ripley, for Chippewa, Niagara and Erie.....	312.....		
416	Maj. Gen. Macomb, Battle of Plattsburg.....	357.....		
417	Maj. Gen. Jackson, Battle of New Orleans.....	303.....		

**TABLE 11.—Medals produced by the Philadelphia Mint, fiscal year 1976, July–September 1976, and fiscal year 1977—Continued**

List No.	Medals Subject	Number of medals produced		
		Fiscal year 1976	July–Sept. 1976	Fiscal year 1977

<i>Army—Continued</i>				
418	Maj. Gen. Harrison, for Thames.....	308.....		
419	Gov. Isaac Shelby, for Thames.....	165.....		
420	Col. George Croghan, for Sandusky.....	167.....		
421	Maj. Gen. Taylor, for Palo Alto.....	329.....		
422	Maj. Gen. Taylor, for Monterey.....	156.....		
423	Maj. Gen. Taylor, for Buena Vista.....	333.....		
424	Maj. Gen. Scott, for battles in Mexico.....	480.....		
425	Maj. Gen. Grant.....	747.....		
427	Maj. Gen. Scott (Commonwealth of Virginia).....	260.....		
428	Kittanning destroyed.....	171.....		
429	200th Anniversary of the Army.....	3,157.....		689
Total Army series.....		12,220.....		689
<i>Navy</i>				
501	John Paul Jones, for Serapis.....	521.....		
502	Capt. Thomas Truxtun, for action with La Vengeance.....	326.....		
503	Capt. Preble before Tripoli.....	285.....		
504	Capt. Hull, for capture of Guerriere.....	388.....		
505	Capt. Jacob Jones, for capture of Frolic.....	273.....		
506	Capt. Decatur, for capture of Macedonian.....	288.....		
507	Capt. Bainbridge, for capture of Java.....	208.....		
508	Capt. Burrows, for capture of Boxer.....	224.....		
509	Lt. McCall, for capture of Boxer.....	279.....		
510	Capt. Perry, capture of British Fleet on Lake Erie....	161.....		108
511	Capt. Elliott, capture of British Fleet on Lake Erie...	119.....		
512	Capt. Lawrence, capture of Peacock.....	167.....		
513	Capt. Macdonough, capture of British Fleet on Lake Champlain.....	267.....		
514	Capt. Henley, capture of British Fleet on Lake Champlain.....	154.....		
515	Lt. Cassin, capture of British Fleet on Lake Champlain.....	285.....		
516	Capt. Warrington, capture of Epervier.....	165.....		
517	Capt. Blakely, capture of Reindeer.....	163.....		
518	Capt. Biddle, capture of Penguin.....	162.....		
519	Capt. Stewart, capture of Cyane and Levant.....	266.....		
520	Rescue of officers and crew of brig Sommers.....	160.....		110
521	Capt. Ingraham.....	162.....		
522	Capt. Perry (State of Pennsylvania) capture of fleet on Lake Erie.....	278.....		
522A	Pennsylvania Volunteers, action on Lake Erie.....	397.....		107
523	Cornelius Vanderbilt.....			
525	To Rescuers of Passengers, Officers & Men of Steamship San Francisco, by Congress.....	233.....		
526	Commodore M. C. Perry, from merchants of Boston..	270.....		
527	Metis (shipwreck) Medal.....	167.....		
528	John Horn.....	274.....		
529	Lt. Victor Blue (State of South Carolina).....	277.....		
532	Departure of American Fleet.....	458.....		
533	Vice Adm. Hyman George Rickover.....	290.....		
534	200th Anniversary of the Navy.....	3,114	965	9,843
535	200th Anniversary of the Marine Corps.....	2,608.....		2,840
Total Navy series.....		13,389	965	13,008
<i>Chief Justices of the Supreme Court</i>				
901	John Jay.....			2,105
915	Warren E. Burger.....			1,779
Total Chief Justices series.....				3,884

TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal year 1976, July–September 1976, and fiscal year 1977—Continued*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	July–Sept. 1976	Fiscal year 1977
<i>Miscellaneous</i>				
601	Time Increases His Fame.....	872	2,273	
602	Cabinet Medal.....	763		581
603	Washington and Jackson.....	856		122
604	Commencement of Coin Cabinet.....	125		
605	Presidency Relinquished .....	114		
606	Allegiance.....	698	493	
607	Washington and Lincoln.....	2,012		119
608	Washington and Grant.....	893	640	
609	Washington Wreath .....	1,093		432
610	Washington Bicentennial.....	494		
611	James Garfield.....	1,145	819	
612	Lincoln and Garfield.....	500	554	
613	Pennsylvania Bicentennial.....	2,399		
614	Valley Forge Centennial.....	297		
615	Lincoln and Grant .....	317	1,123	
616	Lincoln, Broken Column .....	1,036		
617	Japanese Embassy .....	223		
618	Frederick Rose .....	301		
619	Louis Agassiz.....	165		
620	Indian Peace Medal (George II).....	149		
621	David Hosack .....	540		
622	First Steam Coinage .....	1,120		
623	Union Pacific Railroad.....	491		110
624	Emancipation Proclamation.....	605		
625	Cyrus W. Field .....	332		
626	Joseph Pancoast.....	165		118
627	Indian Peace (Grant).....	166	231	
628	Hayes, Indian Peace (oval).....	461		
629	Garfield, Indian Peace .....	154		
630	Arthur, Indian Peace.....	259		
631	Cleveland, Indian Peace .....	259		
632	Harrison, Indian Peace.....	408		
633	Let Us Have Peace (Grant).....	123		
634	Seward-Robinson .....	300		
635	U.S. Diplomatic (July 4, 1776).....	813		
636	Great Seal Centennial Medal, 1782–1882 .....	471	589	555
637	Joseph Francis.....	126		
638	Lincoln Centennial.....	184	551	
639	Wright Brothers.....	418	870	
640	Abraham Lincoln.....	329		
641	Woodrow Wilson .....	373	816	
642	Warren G. Harding .....			
643	Calvin Coolidge .....			
644	Herbert Hoover .....			
645	Charles A. Lindbergh.....			244
646	Franklin D. Roosevelt .....			
647	Mount Vernon.....	484		
648	Benjamin Franklin.....	1,110		
649	Franklin D. Roosevelt .....	622		
650	Harry S. Truman.....			
651	Vice President Alben W. Barkley .....	152		
652	Dr. Jonas E. Salk.....	294		
653	Dr. Robert H. Goddard.....	462		
654	Robert Frost.....	531		
655	Dr. Thomas A. Dooley III .....	286	347	122
656	Sam Rayburn.....	169		
657	U.S. Secret Service 100th Anniversary .....	475	542	
658	Diplomatic Courier.....	300		138
659	Transpo '72.....	260		
661	J. Edgar Hoover.....	2,393	613	444
662	Brig. Gen. Charles Yeager .....			2,120
702	Opening of New Mint at Phila. (Aug. 14, 1969).....	115		864
707	U.S. Treasury Building .....	322		444
770	Georgetown Customhouse .....			
Total Miscellaneous series .....		30,524	10,461	6,413



TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal year 1976, July–September 1976, and fiscal year 1977—Continued*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	July-Sept. 1976	Fiscal year 1977
<i>Bronze Miniature Presidential (1½")</i>				
801	George Washington	25,682	30,037	
802	John Adams	5,621		
803	Thomas Jefferson	21,610	10,000	
804	James Madison	10,462		
805	James Monroe	7,554		
806	John Quincy Adams	5,381		
807	Andrew Jackson	5,502		6,253
808	Martin Van Buren	8,612		
809	William Henry Harrison	9,050		
810	John Tyler	5,333		
811	James K. Polk	3,099		
812	Zachary Taylor	5,827		
813	Millard Fillmore	7,976		
814	Franklin Pierce	3,875		
815	James Buchanan	4,240		
816	Abraham Lincoln	13,886	20,548	
817	Andrew Johnson	8,677		
818	Ulysses S. Grant	6,376		
819	Rutherford B. Hayes	6,509		
820	James A. Garfield	6,285		
821	Chester A. Arthur	8,721		
822	Grover Cleveland	7,457		
823	Benjamin Harrison	6,432		
824	William McKinley	6,458		
825	Theodore Roosevelt	9,517	2,000	
826	William H. Taft	5,657		
827	Woodrow Wilson	6,520	1,943	
828	Warren G. Harding	5,462		
829	Calvin Coolidge	5,334		
830	Herbert Hoover	8,065	10,000	8,078
831	Franklin D. Roosevelt	16,299	10,112	
832	Harry S. Truman	24,914		
833	Dwight D. Eisenhower (1st term)	11,159		
835	John F. Kennedy	33,146	12,265	
837	Lyndon B. Johnson (2d term)	9,331		5,288
838	Richard M. Nixon	6,235		
839	Richard M. Nixon (2d term)	8,081		
840	Gerald R. Ford	18,623		
841	Jimmy Carter			23,353
841-C	Jimmy Carter (Proof)			17,590
Total Bronze Miniature Presidential series		368,968	96,905	60,562
<i>Gold plated Miniature Presidential (1½")</i>				
801	George Washington	2,125	907	1,654
802	John Adams	699	477	
803	Thomas Jefferson	1,380	470	409
804	James Madison	504	181	
805	James Monroe	530		158
806	John Quincy Adams	626	99	
807	Andrew Jackson	781		382
808	Martin Van Buren	409		157
809	William Henry Harrison	709	284	
810	John Tyler	608	100	
811	James K. Polk	635	127	
812	Zachary Taylor	651		
813	Millard Fillmore	805	171	
814	Franklin Pierce	520		
815	James Buchanan	523		
816	Abraham Lincoln	1,946	675	863
817	Andrew Johnson	719	139	

**TABLE 11.—Medals produced by the Philadelphia Mint, fiscal year 1976, July–September 1976, and fiscal year 1977—Continued**

	Medals	Number of medals produced		
List No.	Subject	Fiscal year 1976	July-Sept. 1976	Fiscal year 1977
<i>Gold plated Miniature Presidential (1½")—Continued</i>				
818	Ulysses S. Grant .....	811	78	
819	Rutherford B. Hayes.....	357	84	
820	James A. Garfield.....	683	93	
821	Chester A. Arthur .....	813		
822	Grover Cleveland .....	728	98	
823	Benjamin Harrison.....	512		
824	William McKinley.....	772	95	
825	Theodore Roosevelt.....	984		
826	William H. Taft.....	833	97	
827	Woodrow Wilson.....	420	191	
828	Warren G. Harding.....	676		
829	Calvin Coolidge .....	687	181	
830	Herbert Hoover .....	613	352	
831	Franklin D. Roosevelt.....	1,226		881
832	Harry S. Truman.....	956	462	443
833	Dwight D. Eisenhower (1st term).....	863	357	209
835	John F. Kennedy.....	2,489	411	909
837	Lyndon B. Johnson (2d term).....	755	88	471
838	Richard M. Nixon.....	577	140	204
839	Richard M. Nixon (2d term).....	751	170	
840	Gerald R. Ford .....	3,074	422	
Total gold plated Miniature Presidential series.....		33,750	6,949	6,740
<i>Miniature Miscellaneous (1½")</i>				
660	Transpo '72.....	4,985		
701	Opening of New Mint at Phila. (Aug. 14, 1969).....	8,294	39,749	10,279
701P	Philadelphia Mint Bicentennial .....	1,895	1,200	
705	First Coinage.....	6,220		
706	White House.....	9,248	10,172	
708	New York Assay Office.....	7,246		
709	U.S. Bullion Depository at West Point.....	7,314		
710	U.S. Bullion Depository at Fort Knox .....	6,282		
713	U.S. Treasury Building .....	8,273		
714	Opening of New Mint at Phila. (Aug. 14, 1969) <sup>1</sup> .....	96,594	78,649	43,009
750	New Orleans Mint <sup>1</sup> .....	4,682		
771	Georgetown Customhouse .....	6,783		2,390
772	Boston Customhouse .....	9,631		
774	Wheeling Customhouse .....	6,286		
775	Savannah Customhouse .....	6,198		
776	New Orleans Customhouse .....	6,414		
777	Galveston Customhouse.....	3,494		
778	New York Customhouse.....	13,261		
779	Galena Customhouse.....	3,184		
780	Providence Customhouse .....	2,096		
781	Yorktown Customhouse.....	3,160		2,368
Total miscellaneous miniature .....		221,540	129,770	58,046
Grand total, all series.....		714,843	247,311	160,900

<sup>1</sup> Medals are 1½ inches in diameter, rather than 1⅞ inches.

TABLE 12.—*Medals produced by the Denver Mint, fiscal year 1976, July–September 1976, and fiscal year 1977*

	Medals	Number of medals produced		
List No.	Subject	Fiscal year 1976	July-Sept. 1976	Fiscal year 1977
<i>Miniature Presidential (1½")</i>				
801	George Washington .....	2,651	5,274	2,741
802	John Adams .....	100		204
803	Thomas Jefferson .....	2,603		3,600
804	James Madison .....			2,100
805	James Monroe .....			1,182
806	John Quincy Adams .....	919		2,100
807	Andrew Jackson .....			1,893
808	Martin Van Buren .....	62		2,394
809	William Henry Harrison .....	125		2,199
810	John Tyler .....			
811	James K. Polk .....			2,400
812	Zachary Taylor .....			
813	Millard Fillmore .....			2,448
814	Franklin Pierce .....	68		3,493
815	James Buchanan .....			2,306
816	Abraham Lincoln .....	3,381	4,294	3,714
817	Andrew Johnson .....			577
818	Ulysses S. Grant .....			
819	Rutherford B. Hayes .....			4,384
820	James A. Garfield .....			1,973
821	Chester A. Arthur .....			
822	Grover Cleveland .....			2,662
823	Benjamin Harrison .....			
824	William McKinley .....			2,325
825	Theodore Roosevelt .....			2,305
826	William H. Taft .....			2,296
827	Woodrow Wilson .....	100		3,130
828	Warren G. Harding .....			
829	Calvin Coolidge .....			
830	Herbert Hoover .....			3,096
831	Franklin D. Roosevelt .....	464		3,110
832	Harry S. Truman .....	1,119	8,224	3,069
833	Dwight D. Eisenhower (1st term) .....			
834	Dwight D. Eisenhower (2d term) .....	3,488	7,798	
835	John F. Kennedy .....	7,917	4,000	3,742
837	Lyndon B. Johnson (2d term) .....	2,281	7,980	1,358
838	Richard M. Nixon .....	200		
839	Richard M. Nixon (2d term) .....		588	
840	Gerald R. Ford .....	7,078	100	2,387
841	Jimmy Carter .....			4,994
Total Miniature Presidential series .....		32,556	38,258	74,182
<i>Miniature Miscellaneous (1½")</i>				
703	Denver Mint Medal .....	187,624	68,490	57,643
Grand total .....		220,180	106,748	131,825



TABLE 13.—*Medals produced by the San Francisco Assay Office, fiscal year 1976, July–September 1976, and fiscal year 1977*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	July–Sept. 1976	Fiscal year 1977
<i>Miniature Miscellaneous</i>				
704	United States Assay Office San Francisco <sup>1</sup>	12,268	1,900	
773	San Francisco Customhouse <sup>1</sup>	5,401		
751	San Francisco Mint <sup>2</sup>	39,880	1,000	
Total		57,549	2,900	

<sup>1</sup> Diameter 1⅞ inches.

<sup>2</sup> Diameter 1½ inches.

TABLE 14.—*Medal produced by the Old San Francisco Mint, fiscal year 1976, July–September 1976, and fiscal year 1977*

Medal		Number of medals produced		
List No.	Subject	Fiscal year 1976	July–Sept. 1976	Fiscal year 1977
<i>Miniature Miscellaneous (1½")</i>				
751	San Francisco Mint	74,584	12,936	41,945

TABLE 15.—Foreign coins manufactured by U.S. mints, fiscal year 1977

Country and denomination	Coins manufactured	Metallic composition	Gross weight	Diameter	Thickness	Type of edge
<i>Pieces</i>						
Haiti: <sup>1</sup>						
50 gourdes .....	14,000	925 silver, 75 copper .....	16.75	38.00	1.93	Reeded.
25 gourdes .....	10,000	...do.....	8.38	30.00	1.52	Do.
Total .....	24,000	.....	.....	.....	.....	.....
Panama: <sup>2</sup>						
1 centesimo .....	10,000,000	95 percent copper, 5 percent zinc.....	3.11	19.05	1.63	Smooth.
Total .....	10,000,000	.....	.....	.....	.....	.....
Peru: <sup>3</sup>						
1 sol .....	104,100,000	70 percent copper, 30 percent zinc .....	3.20	21.00	1.35	Smooth.
1/2 sol .....	109,830,000	...do.....	2.15	18.00	1.29	Do.
Total .....	213,930,000	.....	.....	.....	.....	.....
Philippines: <sup>4</sup>						
1 piso.....	10,525,000	75 percent copper, 25 percent nickel .....	9.50	29.00	1.88	Reeded.
10 sentimos.....	12,430,000	...do.....	2.00	18.00	1.08	Do.
5 sentimos.....	86,256,000	60 percent copper, 40 percent zinc .....	2.50	( <sup>5</sup> )	1.31	Smooth.
1 sentimo.....	52,150,000	95 percent aluminum, 5 percent magnesium.....	1.20	( <sup>6</sup> )	2.04	Do.
Total .....	161,361,000	.....	.....	.....	.....	.....
Grand total .....	385,315,000	.....	.....	.....	.....	.....

<sup>1</sup> Manufactured at U.S. Assay Office, San Francisco.  
<sup>2</sup> Manufactured at the U.S. Bullion Depository, West Point.  
<sup>3</sup> Manufactured at the Philadelphia Mint.  
<sup>4</sup> 1 and 5 sentimos produced at the Philadelphia Mint; all other denominations manufactured at the San Francisco Assay Office.  
<sup>5</sup> 8 scallops: Outside scallops measuring 19 mm. and inside scallops measuring 17 mm.  
<sup>6</sup> Square coin measuring 19 mm. diagonally and 17 mm. across flats.

TABLE 16.—*Gold transactions of the Bureau of the Mint, fiscal year 1977*

[In fine ounces rounded to whole ounces]

## RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Sept. 30, 1976	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Sept. 30, 1977
Philadelphia .....	754	1,014	1,768	1,050	718
San Francisco .....	3,340,077		3,340,077		3,340,077
Denver .....	40,524,763	<sup>1</sup> 69	40,524,832	50	40,524,782
New York .....	74,958,587	5,699	74,964,286	13,731	74,950,555
Fort Knox .....	147,353,671		147,353,671	39	147,353,632
Total .....	266,177,852	6,782	266,184,634	14,870	266,169,764

## DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia .....			1,014	1,014
San Francisco .....				
Denver .....		1	<sup>1</sup> 68	69
New York .....	5,614	32	53	5,699
Fort Knox .....				
Total .....	5,614	33	1,135	6,782

## DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia .....			<sup>2</sup> 1,050		1,050
San Francisco .....					
Denver .....				50	50
New York .....	5,614	1,071	<sup>3</sup> 6,000	1,046	13,731
Fort Knox .....				39	39
Total .....	5,614	1,071	7,050	1,135	14,870

<sup>1</sup> Includes 35 fine 1-roy ounces in transit between Fort Knox and Denver on Sept. 30, 1977.<sup>2</sup> Consists of 36 fine 1-roy ounces of gold sold in medals and 1,014 fine 1-roy ounces sold to Engelhard.<sup>3</sup> Sold in ARBA medals.



**TABLE 17.—Gold transactions of the Bureau of the Mint, fiscal year 1977,  
dollar value**

[Valued at \$42.2222 per fine troy ounce]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Sept. 30, 1976	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Sept. 30, 1977
Philadelphia .....	\$31,844	\$42,814	\$74,658	\$44,326	\$30,332
San Francisco .....	141,025,413		141,025,413		141,025,413
Denver .....	1,711,044,650	<sup>1</sup> 2,861	1,711,047,511	2,097	1,711,045,414
New York .....	3,164,916,427	240,673	3,165,157,100	579,780	3,164,577,320
Fort Knox .....	6,221,596,171		6,221,596,171	1,651	6,221,594,520
Total .....	11,238,614,505	286,348	11,238,900,853	627,854	11,238,272,999

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia .....		\$2	\$42,812	\$42,814
San Francisco .....				
Denver .....		28	<sup>1</sup> 2,833	2,861
New York .....	\$237,051	1,369	2,253	240,673
Fort Knox .....				
Total .....	237,051	1,399	47,898	286,348

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia .....			<sup>2</sup> \$44,326		\$44,326
San Francisco .....					
Denver .....				\$2,097	2,097
New York .....	\$237,048	\$45,249	<sup>3</sup> 253,333	44,150	579,780
Fort Knox .....				1,651	1,651
Total .....	237,048	45,249	297,659	47,898	627,854

<sup>1</sup> Includes gold bullion valued at \$1,494 in transit between Fort Knox and Denver on Sept. 30, 1977.

<sup>2</sup> Consists of gold valued at \$1,514 sold in medals and gold valued at \$42,812 sold to Engelhard.

<sup>3</sup> Sold in ARBA medals.

**TABLE 18.**—*Summary of silver receipts, issues, and balances of the Bureau of the Mint, fiscal years 1934–77*

Item	Fine ounces	Value
Balances June 30, 1933:		
Silver bullion ordinary .....	13,831,051.05	\$6,588,389.06
Recoinage silver .....	13,925,846.32	19,251,049.27
	27,756,897.37	25,839,438.33
Receipts (July 1, 1933–Sept. 30, 1977):		
Silver Purchase Act silver (act of June 19, 1934, 48 Stat. 1178) .....	2,048,490,530.48	1,027,637,216.75
Nationalized silver (Executive Order 6814, Aug. 9, 1934) .....	113,032,915.78	56,528,353.08
Foreign debt silver (title III, act of May 12, 1933, 48 Stat. 31, 53) .....	22,734,824.35	11,367,412.18
Newly-mined domestic silver:		
Executive Proclamation silver (E.P. 2067 of Dec. 21, 1933, and amendments) .....	301,226,723.50	216,588,371.53
Act of June 6, 1939 (53 Stat. 998) .....	206,287,208.67	146,693,123.94
Act of July 31, 1946 (60 Stat. 750) .....	376,686,164.80	340,919,995.60
	884,200,096.97	704,201,491.07
Silver bullion ordinary .....	404,703,811.67	290,554,332.87
900 fine subsidiary coin melted .....	275,660,797.81	390,876,583.90
Recoinage bullion from uncurrent silver dollars .....	45,936,330.61	61,818,618.00
Seigniorage accruing from revaluation of silver .....		1,179,406,984.67
Silver bullion for coinage or for sale at \$1.29+ .....	163,844.32	211,839.12
Silver for silver clad coin .....	514,322.29	686,683.20
Silver bullion from GSA stockpile (act of Dec. 31, 1970, 84 Stat. 1769) <sup>1</sup> .....	25,500,000.00	32,969,696.95
Total receipts .....	3,820,937,474.28	3,756,259,211.79
Total silver available fiscal years 1934 through 1977 .....	3,848,694,371.65	3,782,098,650.12
Issues (July 1, 1933–Sept. 30, 1977):		
Silver processed into U.S. coins .....	1,985,465,035.48	1,903,387,923.90
Silver lend-leased to foreign governments (act of Mar. 11, 1941) .....	410,814,344.19	191,713,360.44
Silver sold:		
Under Green Act (act of July 12, 1943, 57 Stat. 520) .....	167,380,240.92	78,110,778.17
Under act of July 31, 1946 (60 Stat. 750) .....	138,971,143.85	103,749,218.68
Other .....	387,143,956.14	514,387,561.30
Wasted in operation .....	1,131,926.61	868,604.97
Melting losses – uncurrent coin .....		9,535,449.86
Silver used for redemption of silver certificates .....	553,386,662.70	715,516,281.00
Silver transferred to stockpile (act of June 24, 1967, 81 Stat. 77) <sup>2</sup> .....	165,000,000.00	213,333,333.18
Total issues .....	3,809,293,309.89	3,730,602,511.50
Balances Sept. 30, 1977:		
Silver bullion ordinary: Bureau of the Mint .....	23,128,624.00	30,630,232.01
Silver for silver clad coin .....	16,272,437.76	20,865,906.61
Total balances .....	39,401,061.76	51,496,138.62
Total issues and balances .....	3,848,694,371.65	3,782,098,650.12

<sup>1</sup> For silver clad coin.<sup>2</sup> Silver bullion of the Treasury in custody of the Bureau of the Mint, amounting to 120,371,251.81 fine ounces valued at \$155,631,517.38 was transferred to the U.S. Government stockpile during the fiscal year 1968. In addition, silver bullion of the Treasury in custody of the Atomic Energy Commission, amounting to 44,628,748.19 fine ounces valued at \$57,701,815.80, was transferred to the stockpile during fiscal 1968, making total transfers of 165,000,000 fine ounces valued at \$213,333,333.18. (Strategic and Critical Materials Stockpiling Act, Public Law 520, approved July 23, 1946, 60 Stat. 596, 50 U.S.C. 98, 98a–g (1951); Public Law 90–29, approved June 24, 1967, 81 Stat. 77, 31 U.S.C. 405a–1, a–2, a–3 (supp. 1967), and 31 U.S.C. 324 (supp. 1967).)

**TABLE 19.—Silver bullion transactions of the Bureau of the Mint,  
fiscal year 1977**

	<i>Fine troy ounces</i>
Balances on hand Sept. 30, 1976:	
Silver bullion ordinary.....	23,304,648.56
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	8,218,673.97
Total .....	39,849,020.87
Increases during the fiscal year:	
At market value .....	299.83
Deposits in exchange for bars .....	3,096,669.92
All other .....	<sup>1</sup> 9,762.69
Total increases.....	3,106,732.44
Decreases during the fiscal year:	
Sold.....	265,502.92
Manufactured into U.S. silver-clad coin.....	188,831.19
Bars issued in exchange for deposits.....	3,096,669.92
All other .....	3,687.52
Total decreases .....	3,554,691.55
Balances on hand Sept. 30, 1977:	
Silver bullion ordinary.....	23,128,624.00
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	7,946,739.42
Total .....	39,401,061.76

<sup>1</sup> Includes 4,848.20 ounces of silver from melted coin sets.



TABLE 20.—*Monetary metals operated on and operating gains and losses of the mints and assay offices, 1977<sup>1</sup>*

Operating division and unit of quantity	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Total
METALS OPERATED ON					
Gold bullion:					
Melting and refining .....					
Cash and deposits .....				1,360,920.799	1,360,920.799
Coining (medals) .....					
Silver bullion:					
Melting and refining .....				6,082,393.97	6,082,393.97
Cash and deposits .....					
Coining (medals) .....	24.87				24.87
Silver clad alloy:					
Melting and refining .....					
Coining .....		1,969,451.21			1,969,451.21
Cupronickel clad alloy:					
Melting and refining .....					
Coining .....	2,177,234.00				2,177,234.00
Strip .....	7,120,864.00	1,238,583.00	10,274,254.00	90,215.00	18,723,916.00
Cupronickel alloy:					
Melting and refining .....	8,185,345.00				8,185,345.00
Coining .....	7,313,751.00				7,313,751.00
Strip .....	4,053,498.00	103,037.00	6,173,152.00		10,329,687.00
Bronze alloy:					
Melting and refining .....	9,209,195.00				9,209,195.00
Coining .....	14,805,945.00				14,805,945.00
Strip .....	18,961,123.00	88,348.00	26,918,119.00	8,731,552.00	54,699,142.00
Copper:					
Melting and refining (alloy) .....	16,192,258.00				16,192,258.00
Coining .....	4,773,300.00				4,773,300.00
Strip .....	6,186,217.00				6,186,217.00

## TABLES

<b>Gold bullion:</b>					
Melting and refining	fine troy ounces				
Cash and deposits	do				32.424
Coining (medals)	do	.059			
<b>Silver bullion:</b>					
Melting and refining	do				
Cash and deposits	do		-1.31		2,977.28
Coining (medals)	do	-3.67		.10	-1.21
<b>Silver clad alloy:</b>					
Melting and refining	gross ounces				
Coining	do	-6.83	3,870.98		3,864.15
<b>Cupronickel clad alloy:</b>					
Melting and refining	avoirdupois pounds				
Coining	do	14,160.00			14,160.00
Strip	do	15,248.00	355.00	-6,389.00	9,236.00
<b>Cupronickel alloy:</b>					
Melting and refining	do	-274,499.00			-274,499.00
Coining	do	-7,343.00	-641.00	-13,781.00	-21,765.00
Strip	do	5,864.00			5,864.00
<b>Bronze alloy:</b>					
Melting and refining	do	-326,437.00			-326,437.00
Coining	do	7,599.00	-156.00	-50,560.00	-28,703.00
Strip	do	21,555.00			21,555.00
<b>Copper:</b>					
Melting and refining	do	-3,883.00			-3,883.00
Coining	do				
Strip	do	-280.00			-280.00

This table is based on the Annual Settlements, which were performed at the Philadelphia Mint, as of Feb. 1, 1977; the Denver Mint as of Feb. 18, 1977; the San Francisco Assay Office, as of Feb. 28, 1977; and the New York Assay Office as of June 30, 1977.

<sup>2</sup> Gains and losses as determined by inventories on dates indicated in footnote 1.

**TABLE 21.**—*Refined gold and silver produced by the electrolytic process at the New York Assay Office, fiscal year 1977, by months*

Month	Gold	Silver
	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>
1976		
October .....		124,682.42
November .....		300,641.45
December .....		308,143.78
1977		
January .....		324,514.23
February .....		426,713.23
March .....		501,888.73
April .....		459,608.01
May .....		136,309.49
June .....		.....
July .....		107,722.40
August .....		328,186.62
September .....		313,361.39
Total fine ounces .....		3,331,771.75
Tonnage (short tons) .....		114.23

**TABLE 22.**—*Stocks of unrefined and semiprocessed gold and silver bullion held at the mints and assay offices, Sept. 30, 1977*

Institution	Gold bullion		Silver bullion	
	Unrefined	Semiprocessed	Unrefined	Semiprocessed
	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>
Philadelphia .....	320.611 .....		775.61 .....	
San Francisco .....	12.198 .....		354.88 .....	
Denver .....	47.024 .....		59.64 .....	
New York .....	14,319,429.894	<sup>1</sup> 7,351,743.68	7,952,135.21	4,024,161.83
Total .....	14,319,809.727	7,351,743.68	7,953,325.34	4,024,161.83
Tonnage (short tons)	490.96	252.06	272.69	137.97

<sup>1</sup> Represents gold anodes used in refining process.



TABLE 23.—Detail of revenues deposited into the general fund of the Treasury by the Bureau of the Mint, fiscal year 1977

Item	Office of the Director	Philadelphia Mint	San Francisco Assay Office <sup>1</sup>	Old Mint	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
GENERAL ACCOUNT RECEIPTS								
Seigniorage, minor coinage...		\$37,540,541.53	\$147,202.38		\$33,205,261.91	\$5,905,313.54		\$76,798,319.36
Seigniorage, cupronickel clad coinage...	(\$40,065,767.23)	194,631,541.14	6,479,262.41		167,527,045.93	1,537,268.14		330,109,350.39
Seigniorage, silver clad coinage			115,280.54					115,280.54
Gifts to the United States, not otherwise classified						1,334.24		1,334.24
Rent of equipment and other personal property								414.04
Recovery of Mint manufacturing expenses	40,065,767.23							40,065,767.23
Sale of miscellaneous products and byproducts	9,724,348.35	52.80			65,033.74	902,315.04		10,691,749.93
Fees and other charges for accounting and auditing services		30.00		\$1,243.22				1,273.22
Service charges-savings account pay allotments (Public Law 90-365)				11,568.42				11,568.42

Footnotes at end of table.

TABLE 23.—Detail of revenues deposited into the general fund of the Treasury by the Bureau of the Mint, fiscal year 1977—Continued

Item	Office of the Director	Philadelphia Mint	San Francisco Assay Office <sup>1</sup>	Old Mint	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
GENERAL ACCOUNT RECEIPTS								
Fees and other charges for special benefits .....						117.70		117.70
Commissions on telephone pay stations .....		1,101.16	636.22	273.42	109.85			2,120.65
Fees—testing, inspection, and grading services .....						12,462.00		12,462.00
Business concessions .....					452.65			452.65
Bullion charges .....					453.00	21,340.38		21,793.38
Other fees and charges for miscellaneous services .....		27.00			316.96			343.96
Proceeds from sale of equipment and other personal property, not otherwise classified .....			184.30		21,622.39			21,806.69
Sale of scrap and salvage materials .....			10,686.88	132.29	5,739.65	285.00		183,857.27
Recoveries for Government property lost or damaged .....								33.77
Miscellaneous recoveries and refunds, not otherwise classified .....		3,936.47			112.53	1,075.34		5,124.34
Total general account receipts .....	9,724,348.35	232,344,691.36	6,753,252.73	13,217.35	200,826,148.61	8,381,511.38		458,043,169.78

<sup>1</sup> Coinage operations authorized by sec. 201 of Public Law 89-91, approved July 23, 1965, a result of which is the receipt of coinage seigniorage shown in this column.

TABLE 24.—Analysis of monetary assets and liabilities of the Bureau of the Mint, Sept. 30, 1977

Item	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
ASSETS						
Gold bullion.....	\$91,143.46	\$141,025,413.41	\$1,711,043,919.85	\$3,164,590,682.89	\$6,221,594,520.20	\$11,238,345,679.81
Silver bullion.....	211,801.26	463.52	135,305.44	41,169,770.83		41,517,341.05
Cupronickel clad dollar coin	38,000,869.00	11,172,780.00	3,200,340.00			52,373,989.00
Subsidiary coin.....	103,023,650.10	14,479,653.10	122,031,332.95	58,394,000.00		297,928,636.15
Minor coin.....	18,641,314.56	3,957,081.16	26,787,069.90	8,479,500.00		57,864,965.62
Coinage metal other than silver.....	232,481,164.45	14,775,934.07	-7,296,333.44	-23,289.34		239,937,475.74
All other.....	20,953.43	394,051.99	9,218.44	1,637,865.46		2,062,089.32
Total assets.....	392,470,896.26	185,805,377.25	1,855,910,853.14	3,274,248,529.84	6,221,594,520.20	11,930,030,176.69
LIABILITIES						
Bullion fund.....	159,989,663.95	170,961,559.06	1,863,084,684.63	3,274,271,767.96	6,221,594,520.20	11,689,902,195.80
Coinage metal fund.....	232,440,857.44	14,775,934.07	-7,270,434.30	-43,890.76		239,902,466.45
All other.....	40,374.87	67,884.12	96,602.81	20,652.64		225,514.44
Total liabilities.....	392,470,896.26	185,805,377.25	1,855,910,853.14	3,274,248,529.84	6,221,594,520.20	11,930,030,176.69

<sup>1</sup> Includes silver bullion for coinage valued at \$10,764,539.26.



TABLE 25.—Number of employees of the Bureau of the Mint, fiscal year 1977

Functions	Office of the Director <sup>1</sup>	Philadelphia Mint	Denver Mint	San Francisco Assay Office	Old Mint	New York Assay Office	West Point Depository	Fort Knox Depository	Total Sept. 30, 1977	Total Sept. 30, 1976
General Administration <sup>2</sup> .....	176	96	68	77	176	50	28	29	700	680
Coining.....		286	184	53			27		550	664
Melting and Refining.....		43	2			65			110	100
Cash and Deposits.....		16	13	23		57	6		115	125
Numismatic Services.....		44	4	369	44				461	687
Building and Mechanical.....		167	77	44	20	18	8	3	337	352
Engraving.....		56							56	74
Assaying.....		23	9	10		11	2		55	67
Custodial.....		43	22	48	11	14	3		141	190
Total Sept. 30, 1977.....	176	774	379	624	251	215	74	32	2,525	
Total Sept. 30, 1976.....	176	916	465	746	292	229	83	32		2,939

<sup>1</sup>The Office of the Director was composed of five divisions: Administration; Management Planning; Marketing and Statistical Services; Production; and Technology. In addition, there were five special staffs: Legal, Internal Audit, Security, Public Affairs, and Equal Employment Opportunity.

<sup>2</sup>Includes executive direction, accounting, personnel, protection, production, technical, etc. Revised.

TABLE 26.—*U.S. coins manufactured, calendar year 1976*

[For specifications, metallic composition, and designs, see table 4]

## I. SUMMARY

Denomination	General circulation		Numismatic <sup>1</sup>		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	58,884,564	\$58,884,564.00	4,149,730	\$4,149,730.00	63,034,294	\$63,034,294.00
Silver clad . . . . .			2,443,612	2,443,612.00	2,443,612	2,443,612.00
50 cents:						
Cupronickel	143,359,248	71,679,624.00	4,149,730	2,074,865.00	147,508,978	73,754,489.00
Silver clad . . . . .			2,443,612	1,221,806.00	2,443,612	1,221,806.00
25 cents:						
Cupronickel	<sup>2</sup> 853,334,839	213,333,709.75	4,149,730	1,037,432.50	857,484,569	214,371,142.25
Silver clad . . . . .			2,443,612	610,903.00	2,443,612	610,903.00
10 cents . . . . .	1,263,982,774	126,398,277.40	4,149,730	414,973.00	1,268,132,504	126,813,250.40
5 cents . . . . .	931,088,147	46,554,407.35	4,149,730	207,486.50	935,237,877	46,761,893.85
1 cent . . . . .	<sup>3</sup> 8,895,867,455	88,958,674.55	4,149,730	41,497.30	8,900,017,185	89,000,171.85
Total . . . . .	12,146,517,027	605,809,257.05	32,229,216	12,202,305.30	12,178,746,243	618,011,562.35

II. NUMBER AND FACE VALUE OF COINS PRODUCED, PHILADELPHIA AND DENVER MINTS <sup>4</sup>

Denomination	Philadelphia Mint		Denver Mint		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	34,329,000	\$34,329,000.00	24,555,564	\$24,555,564.00	58,884,564	\$58,884,564.00
50 cents . . . . .	71,240,000	35,620,000.00	72,119,248	36,059,624.00	143,359,248	71,679,624.00
25 cents . . . . .	370,688,000	92,672,000.00	482,270,839	120,567,709.75	852,958,839	213,239,709.75
10 cents . . . . .	568,760,000	56,876,000.00	695,222,774	69,522,277.40	1,263,982,774	126,398,277.40
5 cents . . . . .	367,124,000	18,356,200.00	563,964,147	28,198,207.35	931,088,147	46,554,407.35
1 cent . . . . .	3,133,580,000	31,335,800.00	4,221,592,455	42,215,924.55	7,355,172,455	73,551,724.55
Total . . . . .	4,545,721,000	269,189,000.00	6,059,725,027	321,119,307.05	10,605,446,027	590,308,307.05

<sup>1</sup> All numismatic coins were manufactured at the U.S. Assay Office, San Francisco, and included 4,149,730 proof sets (dollar, half dollar, and quarter dated 1776–1976, other denominations dated 1976), 1,045,412 40-percent silver-clad Bicentennial proof sets, and 1,398,200 40-percent silver-clad Bicentennial uncirculated sets.

<sup>2</sup> Includes 376,000 quarters manufactured at the U.S. Bullion Depository at West Point.

<sup>3</sup> Includes 1,540,695,000 1-cent coins manufactured at the U.S. Bullion Depository at West Point.

<sup>4</sup> All coins for general circulation were produced at Philadelphia and Denver.

NOTE.—All dollars, half dollars, and quarters bore the Bicentennial designs and were dated 1776–1976; other denominations were dated 1976.

**TABLE 27.—Consumption of metals in the manufacture of U.S. coins, calendar year 1976**

[Based on standard weight of individual coins. See table 4]

Denomination	Metallic content—short tons				
	Silver	Copper	Nickel	Zinc	Total
Dollars:					
Regular issue .....		1,349.51	122.63.....		1,472.14
Numismatic:					
Cupronickel.....		95.10	8.64.....		103.74
Silver clad.....	26.50	39.74 .....			66.24
Total .....	26.50	1,484.35	131.27.....		1,642.12
Half dollars:					
Regular issue .....		1,642.74	149.28.....		1,792.02
Numismatic:					
Cupronickel.....		47.55	4.32.....		51.87
Silver clad.....	12.39	18.59 .....			30.98
Total .....	12.39	1,708.88	153.60.....		1,874.87
Quarter dollars:					
Regular issue .....		4,889.16	444.27.....		5,333.43
Numismatic:					
Cupronickel.....		23.78	2.16.....		25.94
Silver clad.....	6.20	9.29 .....			15.49
Total .....	6.20	4,922.23	446.43.....		5,374.86
Dimes:					
Regular issue .....		2,896.78	263.23.....		3,160.01
Proof coins .....		9.51	.86.....		10.37
Total .....		2,906.29	264.09.....		3,170.38
5-cent pieces:					
Regular issue .....		3,848.80	1,282.94.....		5,131.74
Proof coins .....		17.15	5.72.....		22.87
Total .....		3,865.95	1,288.66.....		5,154.61
1-cent pieces:					
Regular issue .....		28,971.86 .....		1,524.84	30,496.70
Proof coins .....		13.52 .....		.71	14.23
Total .....		28,985.38 .....		1,525.55	30,510.93
Summary:					
Regular issue .....		43,598.85	2,262.35	1,524.84	47,386.04
Numismatic:					
Cupronickel.....		166.43	15.12.....		181.55
Silver clad.....	45.09	67.62 .....			112.71
Proof coins .....		40.18	6.58	.71	47.47
Grand total .....	45.09	43,873.08	2,284.05	1,525.55	47,727.77



TABLE 28.—Foreign coins manufactured by U.S. mints, calendar year 1976

Country and denomination	Coins manufactured	Metallic composition	Gross weight		Diameter	Thickness		Type of edge
			Grams	mm.		mm.	mm.	
Haiti: <sup>1</sup>								
50 gourdes .....	14,000	925 silver, 75 copper .....	16.75	38.00	1.93	Reeded.		
25 gourdes .....	10,000	...do.....	8.38	30.00	1.52	Do.		
Total .....	24,000	.....	.....	.....	.....	.....		
Liberia: <sup>1 2</sup>								
1 dollar.....	1,000	75 percent copper, 25 percent nickel .....	17.94	34.00	2.74	Reeded.		
50 cents .....	1,000	...do.....	8.97	29.00	1.91	Do.		
25 cents .....	1,000	...do.....	4.49	23.00	1.50	Do.		
10 cents .....	1,000	...do.....	1.79	16.99	1.17	Do.		
5 cents .....	1,000	...do.....	4.15	19.99	1.73	Smooth.		
1 cent .....	1,000	95 percent copper, 5 percent zinc.....	2.59	17.91	1.40	Do.		
Total .....	6,000	.....	.....	.....	.....	.....		

Footnotes at end of table.

TABLE 28.—Foreign coins manufactured by U.S. mints, calendar year 1976—Continued

Country and denomination	Coins manufactured	Metallic composition	Gross weight	Diameter	Thickness	Type of edge
			Grams	mm.	mm.	
Peru: <sup>3</sup>	Pieces					
1 sol.....	112,560,000	70 percent copper, 30 percent zinc	3.20	21.00	1.35	Smooth.
½ sol.....	200,664,000	do.....	2.15	18.00	1.29	Do.
Total.....	313,224,000					
Philippines: <sup>4</sup>						
1 piso.....	30,000,000	75 percent copper, 25 percent nickel	9.50	29.00	1.88	Reeded.
25 sentimos.....	10,000,000	do.....	4.00	21.00	1.75	Do.
10 sentimos.....	50,000,000	do.....	2.00	18.00	1.08	Do.
5 sentimos.....	98,928,000	60 percent copper, 40 percent zinc	2.50	( <sup>5</sup> )	1.31	Smooth.
1 sentimo.....	60,190,000	95 percent aluminum, 5 percent magnesium	1.20	( <sup>6</sup> )	2.04	Do.
Total.....	249,118,000					
Grand total.....	562,372,000					

<sup>1</sup> Manufactured at the U.S. Assay Office, San Francisco.<sup>2</sup> Proof coins.<sup>3</sup> Manufactured at the Philadelphia Mint.<sup>4</sup> The 5 and 1 sentimo coins were manufactured at the Philadelphia Mint.

The remaining denominations were made at the San Francisco Assay Office.

<sup>5</sup> 8 scallops: Outside scallops measuring 19 mm. and inside scallops measuring 17 mm.<sup>6</sup> Square coin measuring 19 mm. diagonally and 16.5 mm. across flats.

**TABLE 29.—Summary of foreign coinage by the U.S. mints, by country, through Dec. 31, 1976**

Country	Number of pieces produced	Country	Number of pieces produced
Argentina (blanks) .....	64,058,334	Honduras .....	115,929,500
Australia .....	168,000,000	Indo-China .....	135,270,000
Belgian Congo .....	25,000,000	Israel .....	91,000
Belgium .....	25,000,000	Korea .....	295,000,000
Bolivia .....	30,000,000	Liberia .....	56,744,679
Brazil (blanks) .....	406,249,266	Mexico .....	91,076,840
Canada .....	85,170,000	Mexico (blanks) .....	175,714,411
China .....	39,720,096	Nepal .....	195,608
China, Republic of (Taiwan) .....	428,172,000	Netherlands .....	562,500,000
Colombia .....	133,461,872	Neth. E. Indies .....	1,716,368,000
Costa Rica .....	131,798,820	Nicaragua .....	26,080,000
Cuba .....	496,559,888	Panama (Republic) .....	142,838,428
Curacao .....	12,000,000	Peru .....	758,967,479
Dominican Republic .....	53,920,207	Philippines .....	3,482,630,169
Ecuador .....	214,451,060	Poland .....	6,000,000
El Salvador .....	226,695,351	Saudi Arabia .....	124,712,574
Ethiopia .....	375,433,730	Siam (Thailand) .....	20,000,000
Fiji .....	4,800,000	Surinam (Netherlands Guiana) .....	21,195,000
France .....	50,000,000	Syria .....	7,350,000
Greenland .....	100,000	Venezuela .....	306,762,944
Guatemala .....	7,835,000		
Haiti .....	88,324,000	Total (42 countries) .....	11,114,126,256
Hawaii <sup>1</sup> .....	1,950,000		

<sup>1</sup> Coined prior to Aug. 21, 1959, when Hawaii became the 50th State of the Union.



TABLE 30.—*Summary of foreign coinage by the U.S. mints, by calendar year, through Dec. 31, 1976*

Calendar year	Number of pieces produced	Calendar year	Number of pieces produced
July 1, 1875–Dec. 31, 1905 .....	155,896,973	1941 .....	208,603,500
1906.....	10,204,504	1942 .....	307,737,000
1907.....	45,253,047	1943 .....	186,682,008
1908.....	29,645,359	1944 .....	788,498,000
1909.....	11,298,981	1945 .....	1,802,376,004
1910.....	7,153,818	1946 .....	504,528,000
1911.....	7,794,406	1947 .....	277,376,094
1912.....	6,244,348	1948 .....	21,950,000
1913.....	7,309,258	1949 .....	156,687,940
1914.....	17,335,005	1950 .....	2,000,000
1915.....	55,485,190	1951 .....	25,450,000
1916.....	37,441,328	1952 .....	45,857,000
1917.....	25,208,497	1953 .....	193,673,000
1918.....	60,102,000	1954 .....	19,015,000
1919.....	100,269,195	1955 .....	67,550,000
1920.....	99,002,334	1956 .....	38,793,500
1921.....	55,094,352	1957 .....	59,264,000
1922.....	7,863,030	1958 .....	152,575,000
1923.....	4,369,000	1959 .....	129,647,000
1924.....	12,663,196	1960 .....	238,400,000
1925.....	13,461,000	1961 .....	148,500,000
1926.....	14,987,000	1962 .....	256,485,000
1927.....	3,650,000	1963 .....	293,515,000
1928.....	16,701,000	1964 .....	
1929.....	34,980,000	1965 .....	
1930.....	3,300,120	1966 .....	7,440,000
1931.....	4,498,020	1967 .....	176,196,206
1932.....	9,756,096	1968 .....	416,088,658
1933.....	15,240,000	1969 .....	348,653,046
1934.....	24,280,000	1970 .....	483,988,392
1935.....	109,600,850	1971 .....	207,959,692
1936.....	32,350,000	1972 .....	392,723,895
1937.....	26,800,000	1973 .....	295,408,674
1938.....	48,579,644	1974 .....	373,293,733
1939.....	15,725,000	1975 .....	762,126,363
1940.....	33,170,000	1976 .....	562,372,000
		Total.....	11,114,126,256

NOTE.—For details of foreign coins produced by U.S. mints, 1876–1976, see separate Mint report, "Domestic and Foreign Coins Manufactured by Mints of the United States 1793–1976," pages 85–122. For calendar year 1976 data, see table 28 of this report.

**TABLE 31.—Gold transactions of the Bureau of the Mint, calendar year 1976**

[In fine ounces rounded to whole ounces]

## RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Dec. 31, 1975	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Dec. 31, '76
Philadelphia .....	850 .....		850	96	754
San Francisco .....	3,340,077 .....		3,340,077		3,340,077
Denver .....	40,524,773	71	40,524,844	81	40,524,763
New York .....	74,978,542	8,258	74,986,800	34,213	74,952,587
Fort Knox .....	147,353,702 .....		147,353,702	31	147,353,671
Total .....	266,197,944	8,329	266,206,273	34,421	266,171,852

## DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia .....				
San Francisco .....				
Denver .....		71		71
New York .....	8,042	66	150	8,258
Fort Knox .....				
Total .....	8,042	137	150	8,329

## DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia .....		1		95	96
San Francisco .....					
Denver .....		57		24	81
New York .....	7,576	2,147	<sup>1</sup> 24,490		34,213
Fort Knox .....				31	31
Total .....	7,576	2,205	24,490	150	34,421

<sup>1</sup> Sold in ARBA medals.

TABLE 32.—*Gold transactions of the Bureau of the Mint, calendar year 1976, dollar value*

[Valued at \$42.2222 per fine troy ounce]

## RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Dec. 31, 1975	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Dec. 31, 1976
Philadelphia .....	\$35,865 .....		\$35,865	\$4,021	\$31,844
San Francisco .....	141,025,413 .....		141,025,413 .....		141,025,413
Denver .....	1,711,045,087	\$3,001	1,711,048,088	3,438	1,711,044,650
New York .....	3,165,758,987	348,644	3,166,107,631	1,444,537	3,164,663,094
Fort Knox .....	6,221,597,466 .....		6,221,597,466	1,295	6,221,596,171
Total .....	11,239,462,818	351,645	11,239,814,463	1,453,291	11,238,361,172

## DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia .....				
San Francisco .....				
Denver .....		\$3,001 .....		\$3,001
New York .....	\$339,546	2,780	\$6,318	348,644
Fort Knox .....				
Total .....	339,546	5,781	6,318	351,645

## DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia .....		\$33 .....		\$3,988	\$4,021
San Francisco .....					
Denver .....		2,403 .....		1,035	3,438
New York .....	\$319,855	90,671	<sup>1</sup> \$1,034,011 .....		1,444,537
Fort Knox .....				1,295	1,295
Total .....	319,855	93,107	1,034,011	6,318	1,453,291

<sup>1</sup> Sold in ARBA medals.



**TABLE 33.—Silver bullion transactions of the Bureau of the Mint,  
calendar year 1976**

	<i>Fine troy ounces</i>
Balance on hand Dec. 31, 1975:	
Silver bullion ordinary .....	23,336,220.06
Silver bullion for coinage .....	8,325,698.34
900 fine silver coin bars .....	1,415.02
Coinage metal fund silver .....	9,348,342.28
Total .....	41,011,675.70
Increases during the calendar year:	
At market value .....	94,983.31
Deposits in exchange for bars .....	3,326,196.44
All other .....	<sup>1</sup> 62,278.04
Total increases .....	3,483,457.79
Decreases during the calendar year:	
Sold .....	142,915.78
Manufactured into U.S. silver clad coin .....	1,315,061.67
Bars issued in exchange for deposits .....	3,326,196.44
All other .....	4,022.07
Total decreases .....	4,788,195.96
Balance on hand Dec. 31, 1976:	
Silver bullion ordinary .....	23,304,683.96
Silver bullion for coinage .....	8,325,698.34
Coinage metal fund silver .....	8,076,555.23
Total .....	39,706,937.53

<sup>1</sup> Includes 42,838.36 ounces of silver from melted coin sets.

TABLE 34.—Analysis of monetary assets and liabilities of the Bureau of the Mint, Dec. 31, 1976

Item	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
ASSETS						
Gold bullion.....	\$92,655.27	\$141,025,413.41	\$1,711,044,649.49	\$3,164,663,236.61	\$6,221,596,170.80	\$11,238,422,125.58
Silver bullion.....	212,010.52	465.23	135,324.37	<sup>1</sup> 41,403,629.23		41,751,429.35
Cupronickel clad dollar coin.....	34,513,578.00	7,717,768.00	9,378,000.00			51,609,346.00
Subsidiary coin.....	75,421,129.75	10,580,851.90	117,700,000.00	56,894,000.00		260,595,981.65
Minor coin.....	14,252,186.20	3,798,251.04	20,336,750.00	7,742,950.00		46,130,137.24
Coinage metal other than silver.....	282,539,853.86	12,609,126.71	-33,765,591.96	755,491.39		262,138,880.00
All other.....	17,431.80	417,854.90	15,948.23	582,643.93		1,033,878.86
Total assets.....	407,048,845.40	176,149,731.19	1,824,845,080.13	3,272,041,951.16	6,221,596,170.80	11,901,681,778.68
LIABILITIES						
Bullion fund.....	124,489,875.11	163,536,125.91	1,856,001,549.61	3,271,202,329.33	6,221,596,170.80	11,636,826,050.76
Coinage metal fund.....	282,693,695.70	12,609,126.71	-33,848,355.13	818,841.07		262,273,308.35
All other.....	-134,725.41	4,478.57	2,691,885.65	20,780.76		2,582,419.57
Total liabilities.....	407,048,845.40	176,149,731.19	1,824,845,080.13	3,272,041,951.16	6,221,596,170.80	11,901,681,778.68

<sup>1</sup> Includes silver bullion for coinage valued at \$10,764,539.26.

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**U.S. GOLD, SILVER, AND COINAGE  
METALS: Production and Market Prices**

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## U.S. Mine Production of Gold and Silver, 1977

Mines in the United States produced 1,046,370 fine troy ounces of recoverable domestic gold and 37,733,230 fine troy ounces of recoverable domestic silver during 1977. The Bureau of Mines, which is the source of detailed and widely used gold and silver industry information, has provided the data that follows.

### *Mine production of recoverable gold in the United States, by States, calendar years 1973-77*

[Content of ores]

State	1973	1974	1975 <sup>r</sup>	1976 <sup>r</sup>	1977 <sup>p</sup>
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Alaska .....	7,107	9,146	14,980	22,887	13,300
Arizona .....	102,848	90,586	85,790	102,062	94,000
California .....	3,647	5,049	9,606	10,392	5,015
Colorado .....	63,422	52,083	55,483	50,764	55,260
Idaho .....	2,696	2,898	2,529	2,755	12,900
Montana .....	27,806	28,268	17,259	24,075	24,100
Nevada .....	260,437	298,754	332,814	287,962	292,660
New Mexico .....	13,864	15,427	15,049	15,198	12,200
Oregon .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	28	( <sup>1</sup> )
South Dakota .....	357,575	343,723	304,935	318,511	304,765
Tennessee .....	68	18	( <sup>1</sup> )	( <sup>1</sup> )	.....
Utah .....	307,080	254,909	189,620	187,318	207,300
Other States .....	29,200	26,025	24,187	26,085	24,870
Total .....	1,175,750	1,126,886	1,052,252	1,048,037	1,046,370

<sup>1</sup> Production combined to avoid disclosing individual company confidential data is included with "Other States."

<sup>r</sup>Revised.

<sup>p</sup>Preliminary.

SOURCE.—Bureau of Mines, U. S. Department of the Interior.

### *Mine production of recoverable silver in the United States, by States, calendar years 1973-77*

[Content of ores]

State	1973	1974	1975 <sup>r</sup>	1976 <sup>r</sup>	1977 <sup>p</sup>
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Alaska .....	828	547	( <sup>1</sup> )	3,265	1,260
Arizona .....	7,199,251	6,355,528	6,285,854	7,615,112	6,815,040
California .....	55,897	41,894	79,757	57,265	54,415
Colorado .....	3,598,209	2,783,978	3,366,000	4,083,171	4,527,370
Idaho .....	13,619,824	12,435,701	13,868,133	11,561,421	15,299,170
Maine .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.....
Michigan .....	850,273	642,944	632,336	310,837	335,480
Missouri .....	2,057,732	2,387,250	2,525,042	2,277,013	2,349,120
Montana .....	4,349,869	3,512,161	2,616,626	3,278,629	3,443,450
Nevada .....	623,660	872,243	1,608,735	783,892	592,040
New Mexico .....	1,111,269	1,194,800	792,050	891,932	919,730
New York .....	54,345	64,463	56,047	49,199	56,350
Oregon .....	1,282	8,925	( <sup>1</sup> )	.....	.....
South Dakota .....	71,939	62,474	67,669	58,117	68,720
Tennessee .....	73,104	20,053	53,752	77,890	62,335
Utah .....	3,619,038	3,207,923	2,821,730	3,134,021	3,078,470
Other States .....	197,050	170,990	163,851	146,466	130,280
Total .....	37,483,570	33,761,874	34,937,582	34,328,230	37,733,230

<sup>1</sup> Production combined to avoid disclosing individual company confidential data and included with "Other States."

<sup>r</sup>Revised.

<sup>p</sup>Preliminary.

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

Gold and Silver Issued for Nonmonetary Use

During the last 4 calendar years it is estimated that the following amounts of gold and silver were consumed for industrial, professional, and artistic purposes in the United States.

*Gold and silver issued for industrial, professional, and artistic use in the United States*

Calendar year	Gold <sup>1</sup>	Silver <sup>2</sup>
	<i>Fine ounces</i>	<i>Fine ounces</i>
1974.....	4,651,000	177,000,000
1975.....	3,993,000	157,700,000
1976.....	<sup>r</sup> 4,648,000	<sup>r</sup> 170,500,000
1977.....	<sup>p</sup> 4,859,000	161,000,000

<sup>1</sup> Bureau of Mines, U.S. Department of the Interior.

<sup>2</sup> Estimate of Handy & Harman.

<sup>r</sup>Revised.

<sup>p</sup>Preliminary.

Prices of Gold, Silver, and Coinage Metals

Gold

The monetary value of gold in the United States has been \$42.22 per fine troy ounce since October 18, 1973, when, pursuant to the amendments to Par Value Modification Act of September 21, 1973, it was changed from \$38 per fine troy ounce. The gold content of the dollar is 12.63157895 grains of gold 9/10 fine or "0.828948 Special Drawing Right or, the equivalent in terms of gold of 42<sup>2</sup>/<sub>100</sub> dollars per fine troy ounce of gold." The following table shows the monetary value of gold from the establishment of the U.S. monetary system under the Constitution in 1792. Daily price quotations for newly mined domestic gold from September 8, 1933, through January 1934 are also presented.

*Monetary value of gold in the United States since establishment of the monetary system under the Constitution in 1792*

Legislative reference	Number of grains of standard gold in 1 dollar	Fineness (thousandths)	Number of grains of pure gold in 1 dollar	Value of 1 fine troy ounce of gold (480 grains)
Act of Apr. 2, 1792 .....	27	916 <sup>2</sup> / <sub>3</sub>	24.75	\$19.39393939
Act of June 28, 1834 .....	25.8	899.225	23.2	20.68965517
Act of Jan. 18, 1837 .....	25.8	900	23.22	20.67183462
Act of Feb. 12, 1873 .....	25.8	900	23.22	20.67183462
Act of Mar. 14, 1900 .....	25.8	900	23.22	20.67183462
Proclamation of Jan. 31, 1934, issued pursuant to act of May 12, 1933, and Gold Reserve Act of Jan. 30, 1934 .....	15 <sup>1</sup> / <sub>2</sub> (15.23809524)	900	13.71428572	35.00
Act of Mar. 31, 1972 (effective May 8, 1972)	14.03508772	900	12.63157895	38.00
Act of Sept. 21, 1973 (effective Oct. 18, 1973) .....	12.63157895	900	11.36842105	42.22222222



*Daily price quotations for newly mined domestic gold in the United States  
from Sept. 8, 1933, to Jan. 31, 1934<sup>1</sup>*

[Per fine ounce]

Day of month	Sept.	Oct.	Nov.	Dec.	Jan.	Day of month	Sept.	Oct.	Nov.	Dec.	Jan.
1.....			\$32.26	\$34.01		17.....		\$29.86	\$33.56		\$34.45
2.....		\$31.88	32.36	34.01	\$34.06	18.....	\$31.44	30.33	33.56	\$34.06	34.45
3.....		32.12	32.57		34.06	19.....	31.64	29.18		34.06	34.45
4.....		31.79	32.67	34.01	34.06	20.....	32.28	29.13	33.66	34.06	34.45
5.....		31.55		34.01	34.06	21.....	31.33	29.01	33.76	34.06	
6.....		31.72	32.84	34.01	34.06	22.....	31.75		33.76	34.06	34.45
7.....		31.20		34.01		23.....	31.86	29.59	33.76	34.06	34.45
8.....	\$29.62		33.05	34.01	34.06	24.....		29.80	33.76		34.45
9.....	29.12	31.14	33.15	34.01	34.06	25.....	31.30	31.36	33.76		34.45
10.....		31.26	33.20		34.06	26.....	31.49	31.54		34.06	34.45
11.....	29.10	30.91	33.32	34.01	34.06	27.....	31.35	31.76	33.76	34.06	34.45
12.....	29.21			34.01	34.06	28.....	31.05	31.82	33.85	34.06	
13.....	29.48	30.62	33.45	34.01	34.06	29.....	31.33		33.93	34.06	34.45
14.....	29.77	29.83	33.56	34.01		30.....	31.46	31.96		34.06	34.45
15.....	30.41		33.56	34.01	34.06	31.....		32.12			34.45
16.....	30.49	29.00	33.56	34.01	34.45						

<sup>1</sup> Prices shown from Sept. 8 through Oct. 24, 1933, represent the price at which the Secretary of the Treasury was authorized to sell newly mined domestic gold received on consignment under authority of Executive order of Aug. 29, 1933. Quotations from Oct. 25, 1933, through Jan. 15, 1934, represent the price fixed for newly mined domestic gold by the Reconstruction Finance Corporation in consultation with the Secretary of the Treasury and the President, which was offered in payment for notes of the Reconstruction Finance Corporation, under authority of Executive order of Oct. 25, 1933. (This order revoked the Executive order of Aug. 29.) Quotations from Jan. 15, to Jan. 31, 1934, represent the price at which the Federal Reserve Bank of New York as fiscal agent purchased newly mined domestic gold consigned to the mints and assay offices. Payment for this gold when coined was made by the Treasury with a special issue of Treasury bonds, series of Apr. 16, 1934. Under regulations issued by the Treasury Department Jan. 31, 1934, the mints are authorized to purchase newly mined domestic gold, unmelted scrap gold, and gold imported into the United States after Jan. 30, 1934, at \$35 less one-fourth of 1 percent and less mint charges.

SOURCE.—“Annual Report of the Secretary of Treasury on the State of the Finances for the Fiscal Year Ended June 30, 1934,” p. 205.

From January 30, 1934, until March 1968, the gold transactions of the U.S. Government for both monetary and industrial purposes were made at \$35 per fine ounce, plus or minus a handling charge of one quarter of 1 percent and less mint charges. In 1968 a two-tiered gold system was instituted under which the private commodity price of gold is permitted to fluctuate without official intervention, while the official price and role of monetary gold remain unchanged among monetary authorities.

The accompanying tables contain the daily market quotations for gold issued by two firms during the calendar years 1976 and 1977.

*Daily market prices for industrial gold in the United States, quoted by Handy & Harman, New York, N.Y., for 1976*

[Lowest prices at which offers can be obtained by Handy & Harman for gold, minimum 99.95 percent purity, for nearby delivery at New York in quantities sufficient to meet its needs]

Day	January	February	March	April	May	June
1.....	(*)	(*)	\$132.45	\$129.20	(*)	\$126.65
2.....	(*)	\$130.50	131.55	129.25	(*)	127.15
3.....	(*)	131.80	132.50	(*)	\$128.35	127.20
4.....	(*)	130.00	132.50	(*)	127.75	126.60
5.....	\$138.70	128.85	133.95	127.25	127.55	(*)
6.....	139.10	130.70	(*)	128.30	126.90	(*)
7.....	138.60	(*)	(*)	128.00	128.25	127.35
8.....	136.05	(*)	132.90	128.20	(*)	127.40
9.....	136.65	130.20	133.00	127.70	(*)	127.20
10.....	(*)	129.75	134.15	(*)	128.45	126.65
11.....	(*)	130.95	133.90	(*)	127.85	125.50
12.....	136.90	131.55	133.45	127.40	128.20	(*)
13.....	132.10	131.20	(*)	128.30	128.00	(*)
14.....	130.45	(*)	(*)	128.00	127.90	125.80
15.....	132.60	(*)	133.90	127.75	(*)	125.95
16.....	130.90	(*)	132.75	(*)	(*)	125.00
17.....	(*)	130.25	133.45	(*)	127.70	125.80
18.....	(*)	131.30	134.35	(*)	127.50	125.85
19.....	129.00	131.10	133.85	127.50	126.80	(*)
20.....	124.70	131.85	(*)	127.85	125.90	(*)
21.....	125.00	(*)	(*)	127.55	126.05	125.80
22.....	126.25	(*)	134.00	127.30	(*)	125.20
23.....	129.10	131.90	133.40	127.70	(*)	124.70
24.....	(*)	132.60	134.00	(*)	125.25	124.50
25.....	(*)	133.50	133.00	(*)	124.75	124.85
26.....	125.75	132.35	131.80	128.10	126.00	(*)
27.....	126.50	132.55	(*)	128.70	126.45	(*)
28.....	128.35	(*)	(*)	128.00	125.50	123.90
29.....	128.70	(*)	130.10	127.90	(*)	123.70
30.....	128.40	.....	128.50	128.40	(*)	123.80
31.....	(*)	.....	129.60	.....	(*)	.....
Day	July	August	September	October	November	December
1.....	\$122.90	(*)	\$105.70	\$116.25	\$122.95	\$130.50
2.....	123.45	\$112.20	106.10	(*)	(*)	131.20
3.....	(*)	111.60	107.75	(*)	126.20	131.05
4.....	(*)	113.80	(*)	114.60	124.35	(*)
5.....	(*)	113.00	(*)	114.75	127.35	(*)
6.....	123.30	113.20	(*)	115.60	(*)	134.00
7.....	123.30	(*)	111.10	115.85	(*)	134.85
8.....	123.10	(*)	111.95	114.00	131.50	136.00
9.....	122.50	113.05	112.35	(*)	130.55	136.75
10.....	(*)	113.70	115.70	(*)	136.60	137.65
11.....	(*)	113.90	(*)	(*)	133.55	(*)
12.....	121.85	113.55	(*)	115.05	135.60	(*)
13.....	122.25	113.75	114.75	115.00	(*)	135.75
14.....	122.20	(*)	111.60	115.20	(*)	134.95
15.....	121.40	(*)	111.60	116.05	139.20	134.80
16.....	117.85	113.15	114.35	(*)	133.55	134.75
17.....	(*)	112.50	119.50	(*)	131.25	132.25
18.....	(*)	108.10	(*)	116.50	128.65	(*)
19.....	114.15	109.80	(*)	115.70	130.55	(*)
20.....	108.00	109.35	115.40	115.25	(*)	132.60
21.....	113.25	(*)	120.15	116.35	(*)	133.60
22.....	112.00	(*)	118.00	115.50	133.90	133.60
23.....	111.00	106.60	117.75	(*)	133.45	132.35
24.....	(*)	104.80	119.15	(*)	130.95	(*)
25.....	(*)	103.85	(*)	116.05	(*)	(*)
26.....	113.30	105.35	(*)	117.45	(*)	(*)
27.....	114.55	104.20	119.15	118.20	(*)	132.85
28.....	114.40	(*)	116.60	123.10	(*)	134.60
29.....	112.45	(*)	116.55	123.15	130.00	134.25
30.....	112.80	102.20	116.25	(*)	130.25	134.75
31.....	(*)	104.35	.....	(*)	.....	(*)

\* Market closed.

*Daily market prices for industrial gold in the United States, quoted by Handy & Harman, New York, N.Y., for 1977*

[Lowest prices at which offers can be obtained by Handy & Harman for gold, minimum 99.95 percent purity, for nearby delivery at New York in quantities sufficient to meet its needs]

Day	January	February	March	April	May	June
1.....	(*)	\$132.95	\$141.40	\$148.30	(*)	\$143.85
2.....	(*)	132.10	145.05	(*)	\$148.35	142.30
3.....	\$135.60	133.00	144.70	(*)	148.25	141.80
4.....	135.70	132.45	145.75	150.65	148.10	(*)
5.....	133.40	(*)	(*)	148.90	146.95	(*)
6.....	132.60	(*)	(*)	148.60	148.25	143.40
7.....	132.80	134.25	148.65	148.70	(*)	143.30
8.....	(*)	134.70	148.25	(*)	(*)	142.30
9.....	(*)	136.10	145.90	(*)	147.30	140.60
10.....	131.35	135.85	147.05	(*)	147.85	140.25
11.....	130.10	135.00	146.30	149.70	147.70	(*)
12.....	130.85	(*)	(*)	150.05	147.20	(*)
13.....	132.20	(*)	(*)	152.20	148.50	138.40
14.....	131.80	136.45	146.10	152.05	(*)	137.45
15.....	(*)	135.90	146.45	150.65	(*)	139.25
16.....	(*)	135.90	147.50	(*)	147.65	139.85
17.....	131.60	136.75	148.90	(*)	147.80	138.75
18.....	133.15	136.60	150.05	151.00	146.90	(*)
19.....	132.70	(*)	(*)	150.45	146.85	(*)
20.....	133.10	(*)	(*)	149.50	147.35	139.85
21.....	132.20	(*)	152.00	148.10	(*)	141.30
22.....	(*)	138.10	150.40	149.70	(*)	139.45
23.....	(*)	139.15	152.80	(*)	146.50	140.50
24.....	132.30	141.25	152.75	(*)	145.15	140.80
25.....	133.50	139.95	153.55	149.00	144.75	(*)
26.....	132.15	(*)	(*)	147.15	143.70	(*)
27.....	132.30	(*)	(*)	147.50	144.40	142.50
28.....	131.30	142.75	150.35	145.60	(*)	143.00
29.....	(*)	.....	148.40	147.25	(*)	142.35
30.....	(*)	.....	149.45	(*)	(*)	143.00
31.....	132.30	.....	148.90	.....	143.30	.....
Day	July	August	September	October	November	December
1.....	\$142.55	\$144.55	\$145.75	(*)	\$162.75	\$160.65
2.....	(*)	146.15	146.40	(*)	161.85	159.10
3.....	(*)	146.35	(*)	\$155.70	164.50	(*)
4.....	(*)	147.10	(*)	155.20	166.15	(*)
5.....	141.25	145.80	(*)	155.30	(*)	159.85
6.....	140.55	(*)	147.55	154.25	(*)	160.20
7.....	141.45	(*)	147.90	154.25	166.75	160.65
8.....	142.05	146.15	147.85	(*)	166.15	161.25
9.....	(*)	146.85	147.45	(*)	167.75	158.55
10.....	(*)	146.20	(*)	(*)	167.25	(*)
11.....	140.90	145.70	(*)	157.20	168.10	(*)
12.....	141.80	145.25	148.65	158.10	(*)	158.80
13.....	142.80	(*)	147.85	158.30	(*)	157.75
14.....	(*)	(*)	148.15	157.80	165.20	160.45
15.....	144.60	144.50	148.25	(*)	163.00	159.20
16.....	(*)	143.65	148.30	(*)	160.25	160.35
17.....	(*)	144.05	(*)	160.45	158.90	(*)
18.....	143.80	143.55	(*)	160.55	161.20	(*)
19.....	145.75	144.50	150.10	161.85	(*)	160.10
20.....	145.15	(*)	150.25	160.35	(*)	159.85
21.....	144.00	(*)	151.30	161.45	158.05	160.30
22.....	144.95	144.45	151.60	(*)	156.50	159.40
23.....	(*)	143.75	150.90	(*)	159.30	162.50
24.....	(*)	144.60	(*)	163.60	(*)	(*)
25.....	146.65	144.20	(*)	163.00	(*)	(*)
26.....	145.65	145.35	153.35	163.15	(*)	(*)
27.....	146.10	(*)	153.05	160.40	(*)	163.90
28.....	144.65	(*)	153.85	161.20	161.95	164.80
29.....	144.35	146.50	153.00	(*)	159.20	166.25
30.....	(*)	146.50	154.20	(*)	160.05	164.95
31.....	(*)	146.00	.....	161.50	.....	(*)

\* Market closed.



*Daily market prices for industrial gold in the United States, quoted by Engelhard Minerals & Chemicals Corp., Murray Hill, N.J., for 1976<sup>1</sup>*

Day	January	February	March	April	May	June
1.....	(*)	(*)	\$132.80	\$129.70	(*)	\$127.15
2.....	\$140.85	\$130.90	131.90	129.60	(*)	127.40
3.....	(*)	132.20	132.75	(*)	\$128.85	127.70
4.....	(*)	130.25	132.75	(*)	128.25	127.10
5.....	139.10	129.25	134.20	127.75	127.75	(*)
6.....	139.50	131.10	(*)	128.80	127.40	(*)
7.....	138.85	(*)	(*)	128.20	128.75	127.60
8.....	136.30	(*)	133.25	128.70	(*)	127.90
9.....	137.05	130.60	133.40	128.20	(*)	127.50
10.....	(*)	130.00	134.40	(*)	128.95	127.15
11.....	(*)	131.35	134.15	(*)	128.35	126.00
12.....	137.15	131.80	133.85	127.70	128.40	(*)
13.....	132.50	131.60	(*)	128.60	128.20	(*)
14.....	130.85	(*)	(*)	128.20	128.20	126.30
15.....	133.00	(*)	134.30	128.25	(*)	126.20
16.....	131.30	(*)	133.00	(*)	(*)	125.50
17.....	(*)	130.65	133.85	(*)	128.20	126.30
18.....	(*)	131.70	134.75	(*)	128.00	126.35
19.....	129.40	131.50	134.10	128.25	127.30	(*)
20.....	125.10	132.25	(*)	128.35	126.15	(*)
21.....	125.40	(*)	(*)	127.75	126.30	126.30
22.....	126.65	(*)	134.25	127.80	(*)	125.70
23.....	129.50	132.15	133.60	127.90	(*)	125.20
24.....	(*)	132.95	134.10	(*)	125.70	125.00
25.....	(*)	133.90	133.20	(*)	125.00	125.35
26.....	126.15	132.70	132.30	128.30	126.25	(*)
27.....	126.75	132.80	(*)	129.20	126.70	(*)
28.....	128.60	(*)	(*)	128.50	126.00	124.40
29.....	129.10	(*)	130.60	128.40	(*)	124.20
30.....	128.65.....		129.20	128.90	(*)	124.30
31.....	(*).....		130.10.....		(*).....	
Day	July	August	September	October	November	December
1.....	\$123.40	(*)	\$106.20	\$116.50	\$123.10	\$131.00
2.....	123.75	\$112.40	106.60	(*)	(*)	131.35
3.....	(*)	112.10	107.90	(*)	126.35	131.55
4.....	(*)	113.90	(*)	114.85	124.50	(*)
5.....	(*)	113.10	(*)	114.95	127.50	(*)
6.....	123.80	113.30	(*)	115.75	(*)	134.50
7.....	123.80	(*)	111.25	116.00	(*)	135.35
8.....	123.60	(*)	112.10	114.50	132.00	136.15
9.....	123.00	113.20	112.50	(*)	131.05	137.00
10.....	(*)	113.90	116.20	(*)	136.75	138.15
11.....	(*)	114.05	(*)	115.00	133.70	(*)
12.....	122.35	113.70	(*)	115.20	136.10	(*)
13.....	122.75	113.90	114.90	115.15	(*)	135.90
14.....	122.70	(*)	112.10	115.35	(*)	135.10
15.....	121.90	(*)	111.75	116.20	139.35	135.30
16.....	118.35	113.65	114.50	(*)	133.70	134.90
17.....	(*)	112.65	120.00	(*)	131.75	132.40
18.....	(*)	108.60	(*)	116.70	129.15	(*)
19.....	114.65	109.95	(*)	115.90	130.70	(*)
20.....	108.25	109.50	115.90	115.40	(*)	132.85
21.....	113.50	(*)	120.40	116.50	(*)	134.10
22.....	112.25	(*)	118.50	116.00	134.40	134.10
23.....	111.50	107.10	118.25	(*)	133.95	(*)
24.....	(*)	105.30	119.65	(*)	131.25	(*)
25.....	(*)	104.00	(*)	116.35	(*)	(*)
26.....	113.50	105.50	(*)	117.95	(*)	(*)
27.....	114.65	104.70	119.40	118.35	(*)	133.30
28.....	114.50	(*)	116.75	123.25	(*)	134.70
29.....	112.75	(*)	116.70	123.65	130.15	134.75
30.....	113.00	103.05	116.50	(*)	130.75	135.25
31.....	(*)	104.50.....		(*).....		(*)

<sup>1</sup> Selling prices for 100-ounce bars 99.95 percent fine or better in lots of 1,000 ounces.

\* Market closed.

*Daily market prices for industrial gold in the United States, quoted by Engelhard Minerals & Chemicals Corp., Murray Hill, N.J., for 1977<sup>1</sup>*

Day	January	February	March	April	May	June
1.....	(*)	\$133.10	\$141.90	\$148.80	(*)	\$144.35
2.....	(*)	132.60	145.55	(*)	\$148.85	142.45
3.....	\$136.10	133.50	145.20	(*)	148.75	141.95
4.....	136.20	132.95	145.90	150.80	148.60	(*)
5.....	133.55	(*)	(*)	149.15	147.45	(*)
6.....	133.10	(*)	(*)	149.10	148.75	143.75
7.....	133.30	134.75	148.80	149.20	(*)	143.85
8.....	(*)	135.20	148.75	(*)	(*)	142.80
9.....	(*)	136.60	146.40	(*)	147.80	141.10
10.....	131.50	136.35	147.55	(*)	148.00	140.50
11.....	130.25	135.50	146.80	149.85	148.20	(*)
12.....	131.00	(*)	(*)	150.20	147.70	(*)
13.....	132.70	(*)	(*)	152.70	148.65	138.90
14.....	131.95	136.95	146.25	152.55	(*)	137.60
15.....	(*)	136.40	146.95	151.15	(*)	139.40
16.....	(*)	136.40	148.00	(*)	148.15	140.35
17.....	132.08	136.90	149.40	(*)	148.30	139.25
18.....	133.30	137.10	150.55	151.50	147.40	(*)
19.....	133.20	(*)	(*)	150.95	147.35	(*)
20.....	133.60	(*)	(*)	150.00	147.85	140.35
21.....	132.70	(*)	152.50	148.60	(*)	141.80
22.....	(*)	138.60	150.90	150.20	(*)	139.95
23.....	(*)	139.65	153.30	(*)	147.00	140.65
24.....	132.80	141.75	153.25	(*)	145.30	141.30
25.....	134.00	140.43	154.05	149.25	145.25	(*)
26.....	132.65	(*)	(*)	147.65	144.20	(*)
27.....	132.80	(*)	(*)	148.00	144.90	143.00
28.....	131.80	143.25	150.50	146.10	(*)	143.50
29.....	(*)	.....	148.90	147.75	(*)	142.85
30.....	(*)	.....	149.95	(*)	(*)	143.50
31.....	132.80	.....	149.40	.....	143.45	.....
Day	July	August	September	October	November	December
1.....	\$143.05	\$144.70	\$145.93	(*)	\$163.00	\$160.80
2.....	(*)	146.30	146.90	(*)	162.00	159.25
3.....	(*)	146.50	(*)	\$155.95	164.75	(*)
4.....	(*)	147.25	(*)	155.35	166.40	(*)
5.....	141.75	145.95	(*)	155.55	(*)	160.00
6.....	141.05	(*)	147.80	154.50	(*)	160.35
7.....	141.95	(*)	148.15	154.45	166.90	160.80
8.....	142.55	146.30	148.00	(*)	(*)	161.40
9.....	(*)	147.00	147.95	(*)	168.00	159.05
10.....	(*)	146.35	(*)	157.65	167.40	(*)
11.....	141.40	145.85	(*)	157.35	168.45	(*)
12.....	142.30	145.40	148.80	158.25	(*)	159.30
13.....	143.30	(*)	148.00	158.45	(*)	158.10
14.....	144.35	(*)	148.40	158.30	165.70	160.60
15.....	145.10	144.65	148.40	(*)	163.15	159.35
16.....	(*)	143.80	148.80	(*)	160.75	160.50
17.....	(*)	144.20	(*)	160.70	159.15	(*)
18.....	144.05	144.05	(*)	160.80	161.35	(*)
19.....	146.00	145.00	150.25	162.10	(*)	160.60
20.....	145.40	(*)	150.40	160.60	(*)	160.00
21.....	144.50	(*)	151.80	161.70	158.20	160.80
22.....	145.20	144.60	152.10	(*)	156.65	159.90
23.....	(*)	143.90	151.40	(*)	159.80	(*)
24.....	(*)	144.75	(*)	163.75	(*)	(*)
25.....	146.90	144.70	(*)	163.35	(*)	(*)
26.....	146.15	145.50	153.50	163.40	(*)	(*)
27.....	146.30	(*)	153.20	160.65	(*)	164.70
28.....	144.85	(*)	154.35	161.70	162.10	165.30
29.....	144.60	146.70	153.50	(*)	159.70	166.50
30.....	(*)	146.65	154.55	(*)	160.55	165.45
31.....	(*)	146.50	.....	162.00	.....	(*)

<sup>1</sup> Selling prices for 100-ounce bars 99.95 percent fine or better in lots of 1,000 ounces.

\* Market closed.

Silver

The New York market prices of silver during the calendar years 1976 and 1977 are contained in the first two of the three tables that follow. The third table provides the annual extremes and averages of silver prices, per troy ounce, for the calendar years 1874–1977.

*Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine in New York in 1976*

[See following table for annual high, low, and average prices]

Day	January	February	March	April	May	June
1.....	(*)	(*)	\$4.170	\$4.065	(*)	\$4.725
2.....	(*)	\$4.035	4.135	4.150	(*)	4.660
3.....	(*)	3.960	4.175	(*)	\$4.415	4.695
4.....	(*)	3.917	4.200	(*)	4.398	4.720
5.....	\$4.240	3.940	4.285	4.090	4.347	(*)
6.....	4.320	4.005	(*)	4.180	4.380	(*)
7.....	4.325	(*)	(*)	4.205	4.455	4.770
8.....	4.250	(*)	4.250	4.270	(*)	4.815
9.....	4.235	3.970	4.290	4.265	(*)	4.840
10.....	(*)	3.985	4.300	(*)	4.550	4.928
11.....	(*)	4.095	4.255	(*)	4.490	4.905
12.....	4.265	4.120	4.260	4.320	4.570	(*)
13.....	4.185	4.095	(*)	4.400	4.510	(*)
14.....	4.130	(*)	(*)	4.445	4.490	4.945
15.....	4.120	(*)	4.275	4.370	(*)	4.870
16.....	3.970	(*)	4.160	(*)	(*)	4.835
17.....	(*)	4.075	4.210	(*)	4.535	4.865
18.....	(*)	4.155	4.218	(*)	4.410	4.865
19.....	3.995	4.125	4.175	4.435	4.405	(*)
20.....	3.850	4.175	(*)	4.565	4.448	(*)
21.....	3.890	(*)	(*)	4.470	4.458	4.855
22.....	3.940	(*)	4.180	4.400	(*)	4.900
23.....	3.945	4.225	4.170	4.436	(*)	4.835
24.....	(*)	4.210	4.200	(*)	4.420	4.750
25.....	(*)	4.185	4.132	(*)	4.545	4.795
26.....	3.815	4.165	4.115	4.450	4.638	(*)
27.....	3.903	4.205	(*)	4.555	4.655	(*)
28.....	3.925	(*)	(*)	4.485	4.650	4.720
29.....	3.985	(*)	4.045	4.455	(*)	4.730
30.....	3.965.....		4.070	4.455	(*)	4.835
31.....	(*).....		4.080.....		(*).....	
Monthly average.....	4.06265	4.08642	4.18913	4.35552	4.48845	4.81173

\* Market closed.

SOURCE.—Handy & Harman, New York, N.Y.



*Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine  
in New York in 1976—Con.*

[See following table for annual high, low, and average prices]

Day	July	August	September	October	November	December
1.....	\$4.950	(*)	\$4.230	\$4.360	\$4.315	\$4.285
2.....	5.040	\$4.425	4.250	(*)	(*)	4.305
3.....	(*)	4.315	4.280	(*)	4.355	4.335
4.....	(*)	4.340	(*)	4.300	4.325	(*)
5.....	(*)	4.250	(*)	4.355	4.365	(*)
6.....	5.100	4.270	(*)	4.285	(*)	4.375
7.....	5.060	(*)	4.400	4.280	(*)	4.285
8.....	5.040	(*)	4.300	4.180	4.390	4.385
9.....	5.045	4.205	4.260	(*)	4.352	4.380
10.....	(*)	4.205	4.230	(*)	4.525	4.400
11.....	(*)	4.220	(*)	(*)	4.475	(*)
12.....	4.975	4.300	(*)	4.150	4.475	(*)
13.....	4.900	4.335	4.140	4.215	(*)	4.325
14.....	4.940	(*)	4.230	4.192	(*)	4.385
15.....	4.945	(*)	4.200	4.180	4.520	4.390
16.....	4.795	4.335	4.275	(*)	4.360	4.345
17.....	(*)	4.275	4.280	(*)	4.375	4.300
18.....	(*)	4.195	(*)	4.203	4.300	(*)
19.....	4.620	4.315	(*)	4.190	4.335	(*)
20.....	4.515	4.305	4.200	4.160	(*)	4.330
21.....	4.555	(*)	4.345	4.225	(*)	4.335
22.....	4.460	(*)	4.335	4.185	4.385	4.350
23.....	4.525	4.260	4.385	(*)	4.345	4.320
24.....	(*)	4.140	4.385	(*)	4.325	(*)
25.....	(*)	4.090	(*)	4.140	(*)	(*)
26.....	4.535	4.150	(*)	4.156	(*)	(*)
27.....	4.570	4.090	4.415	4.161	(*)	4.385
28.....	4.605	(*)	4.350	4.260	(*)	4.330
29.....	4.535	(*)	4.380	4.325	4.230	4.380
30.....	4.535	4.045	4.330	(*)	4.260	4.375
31.....	(*)	4.150.....		(*).....		(*)
Monthly average.....	4.77357	4.23705	4.29524	4.22510	4.36905	4.34762

\* Market closed.

SOURCE.—Handy & Harman, New York, N.Y.

*Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine  
in New York in 1977*

[See following table for annual high, low, and average prices]

Day	January	February	March	April	May	June
1.....	(*)	\$4.455	\$4.710	\$4.845	(*)	\$4.575
2.....	(*)	4.460	4.807	(*)	\$4.775	4.550
3.....	\$4.370	4.498	4.785	(*)	4.765	4.505
4.....	4.425	4.500	4.790	4.870	4.755	(*)
5.....	4.395	(*)	(*)	4.820	4.715	(*)
6.....	4.409	(*)	(*)	4.680	4.745	4.535
7.....	4.410	4.575	4.890	4.675	(*)	4.535
8.....	(*)	4.510	4.845	(*)	(*)	4.510
9.....	(*)	4.550	4.825	(*)	4.700	4.405
10.....	4.390	4.505	4.800	(*)	4.720	4.405
11.....	4.300	4.470	4.775	4.755	4.775	(*)
12.....	4.325	(*)	(*)	4.742	4.725	(*)
13.....	4.340	(*)	(*)	4.787	4.796	4.323
14.....	4.335	4.500	4.795	4.730	(*)	4.345
15.....	(*)	4.490	4.845	4.750	(*)	4.385
16.....	(*)	4.510	4.853	(*)	4.777	4.370
17.....	4.375	4.530	4.895	(*)	4.760	4.345
18.....	4.380	4.535	4.910	4.840	4.720	(*)
19.....	4.390	(*)	(*)	4.855	4.715	(*)
20.....	4.410	(*)	(*)	4.820	4.718	4.430
21.....	4.405	(*)	4.960	4.815	(*)	4.420
22.....	(*)	4.550	4.935	4.860	(*)	4.360
23.....	(*)	4.613	4.955	(*)	4.600	4.420
24.....	4.495	4.610	4.910	(*)	4.595	4.418
25.....	4.515	4.615	4.894	4.770	4.570	(*)
26.....	4.500	(*)	(*)	4.735	4.500	(*)
27.....	4.495	(*)	(*)	4.765	4.580	4.500
28.....	4.455	4.720	4.810	4.702	(*)	4.460
29.....	(*)	.....	4.773	4.725	(*)	4.485
30.....	(*)	.....	4.805	(*)	(*)	4.465
31.....	4.470	.....	4.790	.....	4.525	.....
Monthly average.....	4.40900	4.53505	4.84161	4.77705	4.69195	4.44300
Day	July	August	September	October	November	December
1.....	\$4.415	\$4.455	\$4.475	(*)	\$4.850	\$4.725
2.....	(*)	4.520	4.480	(*)	4.795	4.675
3.....	(*)	4.540	(*)	\$4.650	4.898	(*)
4.....	(*)	4.538	(*)	4.625	4.910	(*)
5.....	4.395	4.525	(*)	4.650	(*)	4.730
6.....	4.405	(*)	4.478	4.655	(*)	4.720
7.....	4.410	(*)	4.506	4.640	4.895	4.735
8.....	4.425	4.530	4.475	(*)	4.895	4.789
9.....	(*)	4.570	4.487	(*)	4.945	4.715
10.....	(*)	4.560	(*)	(*)	4.935	(*)
11.....	4.390	4.509	(*)	4.728	4.940	(*)
12.....	4.450	4.470	4.495	4.780	(*)	4.700
13.....	4.490	(*)	4.430	4.755	(*)	4.645
14.....	(*)	(*)	4.465	4.790	4.890	4.685
15.....	4.500	4.400	4.460	(*)	4.795	4.610
16.....	(*)	4.350	4.510	(*)	4.750	4.665
17.....	(*)	4.360	(*)	4.800	4.820	(*)
18.....	4.505	4.380	(*)	4.820	4.850	(*)
19.....	4.540	4.390	4.570	4.815	(*)	4.658
20.....	4.560	(*)	4.600	4.770	(*)	4.628
21.....	4.555	(*)	4.580	4.770	4.790	4.680
22.....	4.575	4.365	4.600	(*)	4.690	4.650
23.....	(*)	4.330	4.535	(*)	4.705	4.733
24.....	(*)	4.385	(*)	4.860	(*)	(*)
25.....	4.620	4.378	(*)	4.845	(*)	(*)
26.....	4.600	4.385	4.640	4.840	(*)	(*)
27.....	4.580	(*)	4.610	4.795	(*)	4.765
28.....	4.545	(*)	4.650	4.820	4.775	4.757
29.....	4.503	4.393	4.605	(*)	4.700	4.780
30.....	(*)	4.439	4.660	(*)	4.740	4.780
31.....	(*)	4.448	.....	4.855	.....	(*)
Monthly average.....	4.49805	4.44435	4.53862	4.76315	4.82840	4.70595

\* Market closed.

SOURCE.—Handy & Harman, New York, N.Y.

*Price of silver per troy ounce in New York, 1874-1977<sup>1</sup>*

Calendar year	High	Low	Average	Calendar year	High	Low	Average
1874.....	\$1.29375	\$1.25500	\$1.27195	1925 .....	\$0.73187	\$0.66812	\$0.69406
1875.....	1.26125	1.21000	1.23883	1926 .....	.68937	.51812	.62428
1876.....	1.26000	1.03500	1.14950	1927 .....	.60312	.54187	.56680
1877.....	1.26000	1.16000	1.19408	1928 .....	.63937	.56812	.58488
1878.....	1.20750	1.08500	1.15429	1929 .....	.57812	.46812	.53306
1879.....	1.16750	1.06500	1.12088	1930 .....	.46875	.30750	.38154
1880.....	1.15000	1.11250	1.13931	1931 .....	.37520	.25750	.28701
1881.....	1.14500	1.11000	1.12823	1932 .....	.31000	.24250	.27892
1882.....	1.15000	1.09000	1.13855	1933 .....	.45000	.24500	.34727
1883.....	1.11750	1.09500	1.10874	1934 .....	.55750	.41750	.47973
1884.....	1.13250	1.08000	1.11161	1935 .....	.81000	.49750	.64273
1885.....	1.09500	1.02750	1.06428	1936 .....	.49750	.44750	.45087
1886.....	1.03500	.92500	.99880	1937 .....	.46750	.44750	.44883
1887.....	1.03500	.95000	.97899	1938 .....	.44750	.42750	.43225
1888.....	.97750	.92000	.94300	1939 .....	.42750	.34750	.39082
1889.....	.97250	.92500	.93634	1940 .....	.35625	.34750	.34773
1890.....	1.20500	.95750	1.05329	1941 .....	.35125	.34750	.34783
1891.....	1.07500	.94750	.99033	1942 .....	.44750	.35125	.38333
1892.....	.95250	.83000	.87552	1943 .....	.44750	.44750	.44750
1893.....	.85000	.65000	.78219	1944 .....	.44750	.44750	.44750
1894.....	.70000	.59500	.64043	1945 .....	.70750	.44750	.51928
1895.....	.69000	.60000	.66268	1946 .....	.90125	.70750	.80151
1896.....	.70250	.65625	.68195	1947 .....	.86250	.59750	.71820
1897.....	.66125	.52750	.60774	1948 .....	.77500	.70000	.74361
1898.....	.62250	.55125	.59064	1949 .....	.73250	.70000	.71930
1899.....	.64750	.58625	.60507	1950 .....	.80000	.71750	.74169
1900.....	.65750	.59750	.62065	1951 .....	.90160	.80000	.89368
1901.....	.64500	.54750	.59703	1952 .....	.88000	.82750	.84941
1902.....	.56875	.47375	.52815	1953 .....	.85250	.83250	.85188
1903.....	.62375	.47500	.54208	1954 .....	.85250	.85250	.85250
1904.....	.62500	.53375	.57843	1955 .....	.92000	.85250	.89099
1905.....	.66500	.55625	.61008	1956 .....	.91625	.90000	.90826
1906.....	.72375	.63125	.67379	1957 .....	.91375	.89625	.90820
1907.....	.71000	.52750	.65978	1958 .....	.90375	.88625	.89044
1908.....	.58875	.48250	.53496	1959 .....	.91625	.89875	.91202
1909.....	.54500	.50750	.52163	1960 .....	.91375	.91375	.91375
1910.....	.57625	.50750	.54245	1961 .....	1.04750	.91375	.92449
1911.....	.57500	.52125	.54002	1962 .....	1.22000	1.01250	1.08521
1912.....	.65625	.55250	.62006	1963 <sup>2</sup> .....	1.29300	1.21000	1.27912
1913.....	.65125	.58000	.61241	1964 <sup>2</sup> .....	1.29300	1.29300	1.29300
1914.....	.60875	.49000	.56331	1965 <sup>2</sup> .....	1.29300	1.29300	1.29300
1915.....	.58000	.47750	.51062	1966 <sup>2</sup> .....	1.29300	1.29300	1.29300
1916.....	.79125	.57250	.67151	1967 <sup>2</sup> .....	2.17000	1.29300	1.54968
1917.....	1.16500	.73125	.84000	1968 .....	2.56500	1.81000	2.14460
1918.....	1.01937	.88937	.98445	1969 .....	2.02500	1.54000	1.79067
1919.....	1.38250	1.01375	1.12087	1970 .....	1.93000	1.57200	1.77082
1920.....	1.37875	.60375	1.01940	1971 .....	1.75200	1.28800	1.54564
1921.....	.73813	.53188	.63096	1972 .....	2.04800	1.38700	1.68445
1922.....	.74188	.62875	.67934	1973 .....	3.28000	1.96200	2.55756
1923.....	.69000	.62875	.65239	1974 .....	6.70000	3.27000	4.70798
1924.....	.72375	.63000	.67111	1975 .....	5.22500	3.91000	4.41852
				1976 .....	5.10000	3.81500	4.35346
				1977 .....	4.96000	4.30000	4.62302

<sup>1</sup> Prices are as follows:

1874-1917: Asked price per fine ounce (unrefined).

1918-29: Mean of bid and asked prices per fine ounce (unrefined).

1930-61: Official quotations per ounce 999/1000 fine (unrefined).

1962-66: Official quotations per ounce 999/1000 fine (refined). Quotations for refined silver are one-fourth cent above prices for unrefined silver.

<sup>2</sup> The price of \$1.293 per ounce was effective continuously from Sept. 9, 1963 through May 18, 1967.

HISTORICAL NOTE.—There was no open-market price of silver as such in the United States under the bimetallic monetary standard which existed from Apr. 2, 1792, until Feb. 12, 1873. The ratios of the silver dollar to the gold dollar in this period were:

<i>Act of</i>	<i>Ratio of silver to gold</i>
Apr. 2, 1792.....	15 to 1
June 28, 1834.....	16.002 to 1
Jan. 18, 1837 .....	15.988+ to 1



## Coinage metals

During 1977 four metals were used in the manufacture of coins of the United States. Silver for the numismatic Bicentennial coins was supplied from the Treasury's stock of silver bullion. Nickel and zinc were obtained from the U.S. Government's stockpile of these metals. Copper was obtained partially from the Government stockpile and partially from purchases on the open market.

The market quotations for these three base metals for a significant period of years in specified categories applicable to the Mint's operations are contained in the accompanying tables.

*Daily copper quotations, electrolytic "cathode, full plate" 1972-77*

[Domestic producers. Delivered U.S. destinations. In U.S. cents per avoirdupois pound]

*1972*

Jan. 3 (Mon.) through Feb. 24 (Thurs.).....	49.25-49.875
Feb. 25 (Fri.).....	49.25-52.125
Feb. 28 (Mon.) through June 30 (Fri.).....	51.50-52.125
July 3 (Mon.).....	49.50-52.125
July 5 (Wed.) through Dec. 29 (Fri.) .....	49.50-50.125

*1973*

Jan. 2 (Tues.) through Jan. 9 (Thurs.).....	49.50-50.125
Jan. 10 (Fri.) through Feb. 14 (Wed.).....	52.00-52.625
Feb. 15 (Thurs.) through Feb. 28 (Wed.).....	55.00-55.625
Mar. 1 (Thurs.) through Mar. 5 (Mon.).....	55.00-59.625
Mar. 6 (Tues.) through June 12 (Tues.).....	59.00-59.625
June 13 (Wed.).....	59.00-64.625
June 14 (Thurs.) through Dec. 7 (Fri.).....	59.00-59.625
Dec. 10 (Mon.) through Dec. 31 (Mon.).....	68.00

*1974*

Jan. 2 (Wed.) through Apr. 30 (Tues.).....	68.00
May 1 (Wed.) through May 31 (Fri.) .....	80.00
June 3 (Mon.) through June 4 (Tues.).....	80.00-85.00
June 5 (Wed.) through Sept. 13 (Fri.).....	85.00
Sept. 16 (Mon.) through Sept. 17 (Tues.).....	79.00-85.00
Sept. 18 (Wed.) through Oct. 15 (Tues.).....	79.00
Oct. 16 (Wed.) through Nov. 22 (Fri.).....	75.00
Nov. 25 (Mon.).....	72.00-75.00
Nov. 26 (Tues.) through Dec. 27 (Fri.).....	72.00
Dec. 30 (Mon.) through Dec. 31 (Tues.).....	68.00-72.00

*Daily copper quotations, electrolytic "cathode, full plate" 1972-77—Con.*

[Domestic producers. Delivered U.S. destinations. In U.S. cents]

## 1975

Jan. 2 (Thurs.).....	68.00-72.00
Jan. 3 (Fri.) through Jan. 28 (Tues.).....	68.00
Jan. 29 (Wed.) through Jan. 31 (Fri.) .....	63.00-68.00
Feb. 3 (Mon.) through June 17 (Tues.) .....	63.00
June 18 (Wed.).....	60.00-63.00
June 19 (Thurs.).....	60.00
June 20 (Fri.) through July 28 (Mon.) .....	60.00-63.00
July 29 (Tues.) through Dec. 31 (Wed.) .....	63.00

## 1976

Jan. 2 (Fri.) through Mar. 18 (Thurs.) .....	63.00
Mar. 19 (Fri.).....	63.00-66.00
Mar. 22 (Mon.) through Apr. 9 (Fri.).....	66.00
Apr. 12 (Mon.).....	66.00-70.00
Apr. 13 (Tues.) through June 30 (Wed.).....	70.00
July 1 (Thurs.) through Oct. 7 (Thurs.).....	74.00
Oct. 8 (Fri.) through Oct. 19 (Tues.).....	70.00-74.00
Oct. 20 (Wed.) through Dec. 1 (Wed.).....	70.00
Dec. 2 (Thurs.) through Dec. 3 (Fri.).....	65.00-70.00
Dec. 6 (Mon.) through Dec. 31 (Fri.).....	65.00

## 1977

Jan. 3 (Mon.) through Jan. 19 (Wed.).....	65.00
Jan. 20 (Thurs.) through Jan. 24 (Mon.) .....	65.00-67.00
Jan. 25 (Tues.) through Jan. 31 (Mon.) .....	65.00-68.00
Feb. 1 (Tues.) through Mar. 1 (Tues.) .....	68.00
Mar. 2 (Wed.) through Mar. 3 (Thurs.).....	68.00-71.00
Mar. 4 (Fri.) through Mar. 17 (Thurs.) .....	71.00
Mar. 18 (Fri.) through Mar. 21 (Mon.).....	71.00-74.00
Mar. 22 (Tues.) through Apr. 26 (Tues.).....	74.00
Apr. 27 (Wed.) through May 23 (Mon.) .....	71.00-74.00
May 24 (Tues.) through May 31 (Tues.).....	71.00
June 1 (Wed.) through July 8 (Fri.).....	68.00-71.00
July 11 (Mon.) through July 20 (Wed.).....	68.00
July 21 (Thurs.) through July 22 (Fri.) .....	65.00-68.00
July 25 (Mon.) through Aug. 17 (Wed.).....	65.00
Aug. 18 (Thurs.) through Aug. 29 (Mon.).....	60.00-65.00
Aug. 30 (Tues.) through Dec. 9 (Fri.).....	60.00
Dec. 12 (Mon.) through Dec. 16 (Fri.).....	60.00-62.50
Dec. 19 (Mon.).....	60.00-63.00
Dec. 20 (Tues.) through Dec. 30 (Fri.) .....	63.00

SOURCE.—American Metal Market.

*Nickel electrolytic cathode prices in the United States, 1929-1977*<sup>1</sup>

[In U.S. cents per avoirdupois pound]

1929 through January 1939 inclusive.....	<sup>2</sup> 35.00
February 1939 through Nov. 25, 1946.....	<sup>3</sup> 35.00
Nov. 26, 1946, through December 1947.....	35.00
Jan. 1, 1948, through July 21, 1948.....	33.75
July 22, 1948, through May 30, 1950.....	40.00
May 31, 1950, through Dec. 12, 1950.....	48.00
Dec. 13, 1950, through May 31, 1951.....	50.50
June 1, 1951, through Jan. 13, 1953.....	56.50
Jan. 14, 1953, through Nov. 23, 1954.....	60.00
Nov. 24, 1954, through Dec. 5, 1956.....	64.50
Dec. 6, 1956, through June 30, 1961.....	74.00
July 1, 1961, through May 23, 1962.....	81.25
May 24, 1962, through Sept. 27, 1965.....	79.00
Sept. 28, 1965, through Oct. 31, 1966.....	77.75
Nov. 1, 1966, through Sept. 14, 1967.....	85.25
Sept. 15, 1967, through Dec. 27, 1968 (Fri.).....	94.00
Dec. 30, 1968 (Mon.) through Nov. 21, 1969 (Fri.).....	103.00
Nov. 24, 1969 (Mon.) through Oct. 14, 1970.....	128.00
Oct. 15, 1970, through Sept. 1, 1972.....	133.00
Sept. 4, 1972 (Mon.) through Dec. 31, 1973.....	153.00

## 1974

Jan. 2 (Wed.) through Jan. 3 (Thurs.).....	153.00
Jan. 4 (Fri.) through May 15 (Wed.).....	162.00
May 16 (Thurs.) through May 22 (Wed.).....	162.00-185.00
May 23 (Thurs.) through June 27 (Thurs.).....	162.00
June 28 (Fri.) through Dec. 20 (Fri.).....	185.00
Dec. 23 (Mon.) through Dec. 31 (Tues.).....	201.00

## 1975

Jan. 2 (Thurs.) through Aug. 29 (Fri.).....	201.00
Sept. 2 (Tues.) through Dec. 31 (Wed.).....	220.00

## 1976

Jan. 2 (Fri.) through Sept. 30 (Thurs.).....	220.00
Oct. 1 (Fri.) through Dec. 31 (Fri.).....	241.00

## 1977

Jan. 3 (Mon.) through Apr. 6 (Wed.).....	241.00
Apr. 7 (Thurs.) through Apr. 28 (Thurs.).....	235.00-241.00
Apr. 29 (Fri.) through July 25 (Mon.).....	241.00
July 26 (Tues.) through Dec. 30 (Fri.).....	Suspended <sup>4</sup>

<sup>1</sup> Base spot prices for electrolytic nickel cathodes in the United States, quoted by The International Nickel Co., f.o.b. Port Colborne, Ontario. Includes duty in U.S. money, per pound as follows:

3 U.S. ¢ ..... January 1929-December 1938.

2½-U.S. ¢ ..... January 1939-December 1947.

1¼-U.S. ¢ ..... January 1948-September 27, 1965.

Duty suspended from Sept. 28, 1965.

<sup>2</sup> Contract, large quantities ..... 32.00 U.S. ¢

<sup>3</sup> Contract, large quantities ..... 31.50 U.S. ¢

<sup>4</sup> INCO announced on July 25, 1977, that it had rescinded their price increase of Oct. 1, 1976, and henceforth "the prices INCO charges its customers will be considered as confidential business information." Estimated weekly market prices reported during the remainder of the year were as follows:

July 26 through Oct. 19 ..... 211.00-220.00

Oct. 20 through Dec. 1 ..... 207.00-213.00

Dec. 2 through Dec. 30 ..... 206.00-208.00

SOURCE.—American Metal Market.



*Daily zinc quotations, 1972-77—"Domestic special high grade delivered"*

[In U.S. cents per avoirdupois pound]

## 1972

Jan. 3 (Mon.) through Mar. 15 (Wed.).....	18.00
Mar. 16 (Thurs.) through May 8 (Mon.).....	18.00-19.00
May 9 (Tues.) through Dec. 19 (Tues.).....	19.00
Dec. 20 (Wed.) through Dec. 22 (Fri.).....	19.00-19.50
Dec. 26 (Tues.) through Dec. 29 (Fri.).....	19.00-19.55

## 1973

Jan. 2 (Tues.) through Jan. 17 (Wed.).....	19.00-19.55
Jan. 18 (Thurs.) through Jan. 19 (Fri.).....	19.00-20.00
Jan. 22 (Mon.) through Jan. 24 (Wed.).....	19.50-20.50
Jan. 25 (Thurs.) through Jan. 29 (Mon.).....	20.20-20.50
Jan. 30 (Tues.) through Feb. 1 (Thurs.).....	20.00-20.50
Feb. 2 (Fri.) through Mar. 8 (Thurs.).....	20.20-20.50
Mar. 9 (Fri.) through Mar. 20 (Tues.).....	20.20-21.50
Mar. 21 (Wed.) through Mar. 22 (Thurs.).....	20.25-21.50
Mar. 23 (Fri.) through Mar. 27 (Tues.).....	20.50-21.50
Mar. 28 (Wed.) through Dec. 7 (Fri.).....	21.25-21.50
Dec. 10 (Mon.) through Dec. 11 (Tues.).....	21.25-33.00
Dec. 12 (Wed.) through Dec. 31 (Mon.).....	28.50-33.50

## 1974

Jan. 2 (Wed.) through Jan. 14 (Mon.).....	28.50-33.50
Jan. 15 (Tues.) through Jan. 31 (Thurs.).....	32.50-33.50
Feb. 1 (Fri.) through Feb. 7 (Thurs.).....	33.00-33.50
Feb. 8 (Fri.) through Mar. 14 (Thurs.).....	33.50
Mar. 15 (Fri.) through Mar. 21 (Thurs.).....	33.50-36.50
Mar. 22 (Fri.) through Mar. 27 (Wed.).....	32.80-42.00
Mar. 28 (Thurs.).....	33.50-36.50
Mar. 29 (Fri.) through July 9 (Tues.).....	36.50
July 10 (Wed.) through July 23 (Tues.).....	36.50-41.50
July 24 (Wed.) through Dec. 31 (Tues.).....	39.00-41.50

## 1975

Jan. 2 (Thurs.) through Feb. 20 (Thurs.).....	39.00-41.50
Feb. 21 (Fri.) through Feb. 24 (Mon.).....	39.00-39.50
Feb. 25 (Tues.) through Oct. 9 (Thurs.).....	39.50
Oct. 10 (Fri.) through Oct. 29 (Wed.).....	39.50-41.50
Oct. 30 (Thurs.) through Dec. 31 (Wed.).....	39.50

## 1976

Jan. 2 (Fri.) through Jan. 5 (Mon.).....	39.50
Jan. 6 (Tues.) through Jan. 7 (Wed.).....	37.50-39.50
Jan. 8 (Thurs.) through Aug. 12 (Thurs.).....	37.50
Aug. 13 (Fri.) through Aug. 19 (Thurs.).....	37.50-40.50
Aug. 20 (Fri.) through Aug. 27 (Fri.).....	40.00-40.50
Aug. 30 (Mon.) through Oct. 14 (Thurs.).....	39.50-40.50
Oct. 15 (Fri.) through Dec. 31 (Fri.).....	37.50

## 1977

Jan. 3 (Mon.) through May 16 (Mon.).....	37.50
May 17 (Tues.).....	34.50-37.50
May 18 (Wed.) through Oct. 4 (Tues.).....	34.50
Oct. 5 (Wed.) through Nov. 7 (Mon.).....	31.00-32.50
Nov. 8 (Tues.) through Dec. 30 (Fri.).....	31.00

SOURCE.—American Metal Market.



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**THE WORLD'S MONETARY STOCKS OF GOLD, SILVER,  
AND COINS, CALENDAR YEAR 1976**

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### Acknowledgment of Source Data

The United States Mint gratefully acknowledges the generous and continuing cooperation of the many foreign governments which respond to its interrogatories. The official data contributed by these governments have been incorporated in this publication.

Particular appreciation is expressed to those governments which sent photographs of their coinage for this Report. Future editions will include illustrations of the coinage of other countries made available to the U.S. Mint with their interrogatories.

The assistance of the Department of State, Washington, D.C., and its posts overseas in receiving and transmitting the data is deeply appreciated.

Additional sources of data include the publications and releases of central banks, foreign government mints, treasuries, or other monetary agencies, and the international monetary institutions. Nongovernment sources include bullion firms, mining, and various trade organizations.

Statistics on the world production of gold and silver are provided by the U.S. Department of the Interior, Bureau of Mines.

STELLA B. HACKEL,  
*Director of the United States Mint.*





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## Government Coinage Mints of the World

Country	Name of mint	Location
United States.....	Office of Director of the Mint.....	Department of the Treasury, Washington, D.C. 20220.
Do .....	Philadelphia Mint.....	Independence Mall, Philadelphia, PA. 19106.
Do .....	Denver Mint.....	320 W. Colfax St., Denver, CO. 80204.
Do .....	San Francisco Assay Office (minting operations).	155 Hermann St., San Francisco, CA. 94102.
Do .....	Fort Knox Bullion Depository (gold storage, etc.).	Fort Knox, KY. 40121.
Do .....	New York Assay Office (electrolytic refining of gold and silver, etc.).	32 Old Slip, New York, N.Y. 10005.
Do .....	West Point Bullion Depository (silver storage, minting operations).	West Point, N.Y. 10996.
Afghanistan.....	Afghan National Mint.....	Baricote, Kabul.
Argentina.....	Casa de Moneda de la Nacion.....	Avenida Antartida Argentina s/n°, Buenos Aires.
Australia.....	Royal Australian Mint .....	Canberra, A.C.T. 2600.
Austria.....	Österreichisches Hauptmünzamt .....	Postfach 225, A-1031 Vienna.
Belgium.....	Monnaie Royale de Belgique.....	Boulevard Pachéco 32, B-1000 Bruxelles.
Bolivia.....	Casa de la Moneda de Potosi.....	Potosi.
Brazil.....	Casa da Moeda.....	Praca da República, 173, Rio de Janeiro.
Canada.....	Royal Canadian Mint .....	Vanier, Ontario, KIA OG8.
Do .....	.....do .....	Winnipeg, Manitoba
Chile.....	Casa de Moneda de Chile.....	Quinta Normal, Santiago.
China, Republic of.	Central Mint of China.....	19 Sichiu Rd., Kweishan, Taoyuan 333, Taiwan.
Colombia .....	Casa de Moneda.....	Calle 11, No. 4-93, Bogotá.
Czechoslovakia....	Czechoslovak State Mint .....	Mennicy, Kremnica, CSSR.
Denmark.....	Den Kongelige Mont .....	Amager Boulevard 115, 2300 South Copenhagen.
Finland .....	Suomen Rahapaja .....	Katajanokanlaituri 3,SF-00160 Helsinki 16.
France.....	Administration des Monnaies et Médailles.	11, Quai Conti 775270, Paris CEDEX06.
Do .....	Monnaie de Paris Etablissement de Pessac.	Pessac.
Germany, East.....	Staatsmünzamt Deutsche Demokratischen Republik.	Berlin, DDR.
Germany, Federal Republic of.	Bayerisches Hauptmünzamt.....	Hofgraben 4, 8 München 1.
Do .....	Staatliche Münze (new mint).....	Taubenheimstrasse 77, 7 Stuttgart 50 (Bad Cannstatt).
Do .....	Staatliche Münze .....	Stephanienstrasse 28, 75 Karlsruhe.
Do .....	Hamburgische Münze .....	Nordstrasse 66, 2 Hamburg 1.
Greece.....	Greek Mint.....	Athens.
Guatemala.....	Casa de Moneda.....	Avenida de Petapa No. 43-81, Zona 12, Guatemala City.
Hungary.....	Állami Pénzverde.....	1450 Budapest, Üllöi Út 102 Pf. 6.
India.....	India Government Mint.....	Bombay-400 023
Do .....	.....do .....	Alipore, Calcutta.
Do .....	.....do .....	Hyderabad, Andhra Pradesh.
Indonesia .....	Perum Peruri .....	Djalan Palatehan No. 4, Blok 5, Kebayoran Baru, Djakarta.
Iran.....	Mint of Central Bank of Iran .....	Avenue Saltanatabad, Tehran.
Israel.....	Israel Mint (new mint).....	Myriam HaHashmonait St., Jerusalem.
Italy .....	La Zecca .....	Via Principe Umberto, 4, Rome.

## Government Coinage Mints of the World—Continued

Country	Name of mint	Location
Japan .....	Mint Bureau .....	1, Shinkawasaki-cho, Kita-ku, Osaka, 530.
Do .....	Tokyo Branch .....	3277, 1 chome, Nishisugamo, Toshima-ku, Tokyo-to, Tokyo.
Do .....	Hiroshima Branch .....	Itsukamachi, Saheki-gun, Hiroshima Prefecture.
Do .....	Kumamoto Sub-branch (refining, etc.) ....	Shinminami, Sendanbata-cho Kumamoto City, Kumamoto Prefecture.
Korea, Republic of	Kyeongsan Mint, Government Printing & Mint Agency.	Aplyang-Myeon, Kyeongsan, Kyeongsangbukdo.
Malaysia .....	Kilang Wang .....	Bank Negara, P.O. Box 1, Sungei Renggan, Shah Alam, Selangor.
Malta .....	Order of Malta Mint .....	Via Condotti, Rome, Italy.
Mexico .....	Casa de Moneda (old mint) .....	Calle de Apartado No. 13, Mexico 1, D.F.
Do .....	Casa de Moneda (new) .....	Avenida Casa de Moneda, Mexico City.
Nepal .....	His Majesty's Mint, Dharahara .....	Bhimsenstambha, Kathmandu.
Netherlands .....	's Rijks Munt .....	Leidseweg 90, Utrecht, P.O. Box 2407.
Nigeria .....	Nigerian Security Printing and Minting Co., Ltd.	P.O. Box 3053, Victoria Island, Lagos.
Norway .....	Den Kongelige Mynt .....	Postboks 53, N-3601, Kongsberg.
Pakistan .....	Pakistan Mint .....	Baghban Pura, Lahore (Punjab).
Peru .....	Casa Nacional de Moneda .....	Jiron Junin 791, Lima.
Poland .....	Mennica Panstwowa .....	ul. Pereca 21, 00-958 Warsaw.
Portugal .....	Casa da Moeda .....	Avenida Dr. Antonio Jose de Almeida, Lisbon 1.
Romania .....	State Mint, Socialist Republic of Romania	Treasury Dept., Bucarest.
Singapore .....	Chartered Industries of Singapore, Ltd...	249 Jalan Boon Lay, Jurong, Singapore, 22.
South Africa, Republic of.	South African Mint .....	P.O. Box 464, Pretoria, 0001.
Spain .....	Fabrica Nacional de Moneda y Timbre ..	Jorge Juan 106, Madrid 9.
Sudan .....	Sudan Mint .....	P.O. Box 5043, Khartoum South.
Sweden .....	Myntverket .....	Box 401, S631 06 Eskilstuna 1.
Switzerland .....	Swiss Federal Mint .....	28, Bernastrasse, Bern 3003.
Thailand .....	Royal Mint .....	Pradiphat Road, Bangkok.
Turkey .....	T.C. Darphane ve Damga Matbaasi .....	Yildiz Besiktas, Istanbul.
United Arab Republic.	Mint House .....	Cairo.
United Kingdom ...	Royal Mint (old mint) .....	Tower Hill, London, E.C. 3.
Do .....	Royal Mint (new mint) .....	Llantrisant, County of Glamorgan, Wales.
U.S.S.R. ....	Leningrad Mint .....	Leningrad, Russia.
Yugoslavia .....	National Bank of Yugoslavia .....	Bulevar, Rivalucije No. 15, Beograd.



Summary—Coinage of nations, calendar year 1976<sup>1</sup>

Country	Total coins manufactured	Gross weight of coins
	<i>Pieces</i>	<i>Short tons</i>
United States of America .....	12,178,746,243	47,727.77
Africa, Equatorial States .....	14,000,000	91.48
Africa, West (Occidentale) .....	74,951,800	323.60
Argentina .....	623,851,000	3,738.11
Australia .....	524,339,080	2,932.44
Austria .....	112,194,200	655.60
Bahamas .....	7,368,081	22.00
Bahrain .....	3,469,000	14.92
Bangladesh .....	20,000,000	84.09
Barbados .....	6,416,542	21.89
Belgium .....	84,000,000	493.81
Belize .....	3,362,500	8.78
Bermuda .....	2,000,000	6.85
Bhutan .....	416,000	1.45
Bolivia .....	20,000,000	187.39
Botswana .....	18,588,852	34.32
Brunei .....	4,648,000	20.42
Burundi .....	7,000,000	9.57
Canada .....	952,800,676	3,885.90
Cape Verde .....	13,764	(*)
Caribbean Territories, Eastern Group .....	4,300	(*)
Cayman Islands .....	106,599	2.63
Chile .....	62,400,000	308.31
China, Republic of (Taiwan) .....	774,497,000	5,662.54
Colombia .....	191,600,430	1,086.74
Costa Rica .....	59,928,056	190.44
Cyprus .....	3,510,000	29.77
Denmark .....	221,743,475	908.19
Dominican Republic .....	14,630,000	75.59
Ecuador .....	15,832,000	86.53
Ethiopia .....	32,720,000	171.32
Falkland Islands .....	6,305	(*)
Fiji .....	11,914,013	55.55
Finland .....	110,107,000	350.42
France .....	829,038,500	4,573.58
French Polynesia .....	2,000,200	22.04
Gambia, The .....	4,187,710	14.82
Germany, Federal Republic of .....	1,342,926,355	5,130.64
Ghana .....	26,000,000	108.55
Gibraltar .....	900	(*)
Greece .....	131,343,500	864.99
Guatemala .....	25,230,000	77.23
Guernsey .....	120,000	.94
Guyana .....	21,058,575	44.89
Haiti .....	24,000	(*)
Hong Kong .....	86,844,900	550.10
Hungary .....	104,043,000	230.35
Iceland .....	13,700,000	33.55
India .....	484,655,000	2,373.76
Indonesia .....	100,000,145	706.59
Iran (year ended Mar. 21, 1977) .....	207,448,400	921.07
Iraq .....	86,000,000	449.80
Ireland .....	33,000,000	343.07
Israel .....	82,685,006	374.05
Italy .....	450,495,000	2,881.40
Jamaica .....	22,048,000	180.40
Japan .....	3,133,310,000	12,345.70
Kenya .....	25,000,000	171.65
Korea .....	20,000,000	16.09
Kuwait .....	21,135,000	82.74
Liberia .....	3,806,300	53.38
Libya .....	51,660,000	172.19

Footnote at end of table.

Summary—Coinage of nations, calendar year 1976<sup>1</sup>—Continued

Country	Total coins manufactured	Gross weight of coins
	<i>Pieces</i>	<i>Short tons</i>
Luxembourg.....	2,000,000	8.81
Macao.....	10,339,852	46.59
Madagascar, Republic of.....	4,400,000	20.71
Malawi.....	15,006,870	39.61
Malaysia.....	324,344,685	1,240.54
Mali.....	15,000,000	31.13
Malta.....	3,000,000	20.04
Mauritius.....	10,821,832	81.15
Mexico.....	1,152,044,000	6,941.42
Mongolia.....	7,751	(*)
Morocco.....	46,613,200	147.21
Nepal.....	43,737,721	85.62
Netherlands.....	246,000,000	789.78
Netherlands Antilles.....	7,700,000	25.49
New Caledonia.....	2,000,200	22.04
New Zealand.....	49,977,750	275.43
Nicaragua.....	7,250	(*)
Nigeria.....	180,060,000	826.42
Norway.....	151,516,444	687.94
Oman.....	4,000,000	17.34
Pakistan.....	188,234,100	358.95
Papua New Guinea.....	39,000,000	200.88
Paraguay.....	22,000,000	82.26
Peru.....	499,429,000	1,354.77
Philippines.....	249,321,293	823.69
Portugal.....	80,377,710	397.00
Qatar.....	2,000,000	7.71
Rhodesia.....	31,114,300	n.a.
San Marino.....	6,183,400	39.38
Saudi Arabia.....	26,000,000	131.17
Seychelles.....	1,934,000	9.90
Sierra Leone.....	40,007	.92
Singapore.....	66,843,000	272.46
South Africa.....	264,891,028	1,056.08
Spain.....	374,430,000	2,115.89
Sri Lanka.....	105,661,017	437.24
Sudan.....	12,546,035	59.40
Surinam.....	10,885,000	27.03
Swaziland.....	103,836	1.30
Sweden.....	219,874,833	972.99
Switzerland.....	81,816,440	360.70
Tanzania.....	48,500,250	235.31
Thailand.....	154,085,759	924.41
Tonga.....	480	(*)
Trinidad and Tobago.....	47,226,363	123.36
Tunisia.....	203,000	5.35
Turkey.....	102,658,000	851.21
Turks and Caicos Islands.....	74,653	2.55
Tuvalu.....	274,146	1.94
Uganda.....	53,500,000	275.94
United Arab Emirates.....	15,100,000	109.52
United Arab Republic.....	60,003,000	209.48
United Kingdom.....	878,455,173	5,733.05
Uruguay.....	83,240,000	482.30
Vatican City.....	2,470,000	14.96
Venezuela.....	200,022,767	441.72
Western Samoa.....	83,812	2.49
Yemen Arab Republic.....	30,020,175	264.61
Yemen, People's Republic of.....	2,000,000	10.01
Yugoslavia.....	152,802,500	658.38
Zaire.....	8,100	(*)
Zambia.....	14,010,000	57.77
Total (124 countries).....	29,860,926,139	132,333.34

<sup>1</sup> For details, see tables for individual countries.

\* Less than half a short ton.

n.a. Not available.





## Coinage of Nations and World Coins, 1976

### Explanatory notes on tables

In the country tables which follow the decimal system of money prevails unless otherwise indicated. Under the decimal system, the basic monetary unit generally is divided into 100 subunits. The table "World monetary units" gives the name of the principal currency unit and subunit for each country.

*Do* or *do* are abbreviations for ditto, meaning that the information is the same as that appearing immediately above. Numbers in the tables are expressed in figures arranged to conform to usage in the United States, that is, in groups of three figures separated by a comma (.). For example, one thousand is written 1,000 and one million is written 1,000,000. Fractional or decimal parts of a whole number are set off by a period (.). For example, one tenth is written 0.1, one hundredth 0.01, one thousandth 0.001, and so on.

*Coinage in 1976: Pieces.*—The figures in this column indicate the number of pieces reported as actually manufactured by a coinage mint or mints during the calendar year. Leaders (dots . . .) in this column indicate that no coins of that particular type were reported to have been manufactured in 1976, but earlier issues of the coins may remain in circulation.

*Specifications of coins.*—Specifications are for a single coin of the stated denomination and, in general, represent standards provided by law, decree, or regulation of the issuing government. However, details concerning tolerances of weight and fineness, and other minting controls and procedures are not published. For uniformity, different units of weight are converted to grams and different units of measure are converted to millimeters. The following conversion factors were used:

<i>Weight units</i>	<i>Measurement units</i>
1 gram=15.43235639 grains.	1 inch =25.4 millimeters.
1 grain=0.0647989182 gram.	1 millimeter=0.03937 inch.
	(Abbreviation for millimeter: mm.)

*Gross weight.*—This refers to the overall weight of one coin of the specified denomination.

*Metallic composition.*—The proportions of metals are expressed either in percentages (symbol %) with the proportions adding to 100 percent; or, for gold and silver coins, in thousands with the proportions of precious metal and base metal adding to 1,000 parts.

*Thickness.*—Thicknesses of coins are not prescribed by governmental decree or law as in the case of diameters. Thicknesses cannot be so specified since they vary according to minting practices and other factors relating to coins. Thicknesses in the tables are to be regarded as averages which may vary slightly over or under the figures shown.

*Shape of coins.*—Coins are round unless otherwise indicated.

## UNITED STATES OF AMERICA

*U.S. coins produced and in active circulation in 1976*

Denomination <sup>1</sup>	Coinage in 1976 <sup>2</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Dollar:					
Cupronickel:					
Regular issue .....	58,884,564	22.68	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	38.10	2.54
Proof coins .....	4,149,730	22.68	.....do.....	38.10	2.54
Silver clad coins: <sup>3</sup>					
Proof .....	1,045,412	24.59	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approx- imately 209 parts silver and 791 parts copper.	38.10	2.54
Uncirculated .....	1,398,200	24.59	.....do.....	38.10	2.54
Half dollar:					
Cupronickel:					
Regular issue .....	143,359,248	11.34	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	30.61	2.18
Proof coins .....	4,149,730	11.34	.....do.....	30.61	2.18
Silver clad coins: <sup>3</sup>					
Proof .....	1,045,412	11.50	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approx- imately 209 parts silver and 791 parts copper.	30.61	2.18
Uncirculated .....	1,398,200	11.50	.....do.....	30.61	2.18
Quarter dollar:					
Cupronickel:					
Regular issue .....	853,334,839	5.67	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	24.26	1.70
Proof coins .....	4,149,730	5.67	.....do.....	24.26	1.70
Silver clad coins: <sup>3</sup>					
Proof .....	1,045,412	5.75	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approx- imately 209 parts silver and 791 parts copper.	24.26	1.70
Uncirculated .....	1,398,200	5.75	.....do.....	24.26	1.70

Footnotes at end of table.

## UNITED STATES OF AMERICA—Continued

*U.S. coins produced and in active circulation in 1976—Continued*

Denomination <sup>1</sup>	Coinage in 1976 <sup>2</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Dime:					
Regular issue .....	1,263,982,774	2.268	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	17.91	1.35
Proof coins .....	4,149,730	2.268	.....do.....	17.91	1.35
5 cents:					
Regular issue .....	931,088,147	5.00	75% copper, 25% nickel.....	21.21	1.98
Proof coins .....	4,149,730	5.00	.....do.....	21.21	1.98
1 cent:					
Regular issue .....	8,895,867,455	3.11	95% copper, 5% zinc .....	19.05	1.57
Proof coins .....	4,149,730	3.11	.....do.....	19.05	1.57
Summary:					
Regular issue <sup>4</sup> .....	12,146,517,027				
Numismatic coins <sup>5</sup> ....	32,229,216				
Total .....	12,178,746,243				

<sup>1</sup> Regular issue coins are for general circulation. Cupronickel (regular) proof coins were packaged in sets of 6 coins (dollar, half dollar, and quarter dated 1776-1976, other denominations dated 1976). Silver clad coins, proof and uncirculated, bore Bicentennial designs and the dates 1776-1976. The regular proof and silver clad coins were made at the U.S. Assay Office, San Francisco. The designs on general circulation and numismatic coins were identical.

<sup>2</sup> 1976 coinage was manufactured at the Philadelphia and Denver mints and the San Francisco Assay Office.

<sup>3</sup> Public Law 93-127, Oct. 18, 1973, authorized the Secretary of the Treasury to mint dollars, half dollars, and quarter dollars with reverse designs emblematic of the Bicentennial of the American Revolution. The law provided that these coins could be produced but not issued prior to July 4, 1975. The same legislation authorized the Secretary of the Treasury to mint 45 million silver clad coins of the same designs for inclusion in special 3-coin proof and uncirculated sets.

<sup>4</sup> All dollars, half dollars, and quarter dollars bore the Bicentennial designs and the date 1776-1976. Regular issue coins of other denominations were dated 1976.

<sup>5</sup> Consists of 4,149,730 regular proof sets, 1,045,412 Bicentennial proof, and 1,398,200 Bicentennial uncirculated coin sets.

\* Reeded edges: \$1, 50, 25, and 10-cent coins. Smooth edges: 5 and 1-cent pieces.

*Previous issues of U.S. coins outstanding in 1976*

Denomination	Year of most recent coinage	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
		<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Standard silver dollar...	1935	26.73	900 silver, 100 copper .....	38.10	2.90
Half dollar .....	1966	12.50	.....do.....	30.61	2.18
Do.....	1970	11.50	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper bonded to a core of approximately 209 parts silver and 791 parts copper.	30.61	2.18
Quarter dollar.....	1966	6.25	900 silver, 100 copper .....	24.26	1.70
Dime.....	1966	2.50	.....do.....	17.91	1.35
5 cents.....	1945	5.00	56% copper, 35% silver, 9% manganese.	21.21	1.98
Bronze 1 cent.....	1962	3.11	95% copper with 5% zinc and tin.	19.05	1.57
Steel 1 cent .....	1943 (1 year only)	2.70	Steel covered with zinc coating not exceeding 0.001 inch.	19.05	1.57

\* Reeded edges: \$1, 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

NOTE.—Coins have not been demonetized, but few, if any, are in active circulation.





Coinage of the United States of America

## AFARS AND ISSAS

[Formerly French Somaliland. The monetary unit is the Djibouti franc]

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	.....	12.0	75% copper, 25% nickel.....	30.0	n.a.
50 francs .....	.....	7.0	.....do.....	25.5	n.a.
20 francs .....	.....	4.0	92% copper, 6% aluminum, 2% nickel.	23.5	n.a.
10 francs .....	.....	3.0	.....do.....	20.0	n.a.
5 francs .....	.....	3.5	95% aluminum, 5% magnesium	31.0	n.a.
2 francs .....	.....	2.2	.....do.....	27.0	n.a.
1 franc .....	.....	1.3	.....do.....	23.0	n.a.
Total .....	.....				

\* Smooth edges: 10, 5, 2, and 1 franc coins. Reeded edges: 100 and 50 franc coins.  
n.a. Not available.

## AFGHANISTAN

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 afghani .....	.....	7.00	90% steel, nickel clad.....	27.50	2.0
2 afghani .....	.....	5.24	.....do.....	25.00	1.7
1 afghani .....	.....	4.09	.....do.....	23.00	1.5
50 pul .....	.....	3.50	Steel, copper clad .....	21.00	1.7
25 pul .....	.....	2.50	Steel, brass clad.....	19.00	1.2
Total .....	.....				

\* Plain edges: 50 and 25 pul coins, and 2 afghani. Reeded edges: 5 and 1 afghani coins.

## AFRICA, EQUATORIAL STATES

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 francs .....	4,000,000	9.0	Pure nickel.....	28.0	1.90
100 francs .....	.....	7.0	.....do.....	25.5	1.90
50 francs .....	10,000,000	4.7	.....do.....	21.5	1.80
Do .....	.....	12.0	75% copper, 25% nickel.....	31.0	2.21
25 francs .....	.....	8.0	92% copper, 6% aluminum, 2% nickel.	27.0	2.35
10 francs .....	.....	4.0	.....do.....	23.0	1.70
5 francs .....	.....	3.0	.....do.....	20.0	1.70
2 francs .....	.....	2.2	95% aluminum, 5% magnesium	27.0	2.00
1 franc .....	.....	1.3	.....do.....	23.0	1.70
Total .....	14,000,000				

<sup>1</sup> Coinage mint unspecified.

\* Reeded edges: 50 and 100 francs. Smooth edges: 1, 2, 5, 10, and 25 francs.

NOTE.—Currency area includes Cameroun, Central African Empire, Tchad, Congo (Brazzaville), and Gabon. The currency unit, the CFA Franc (Communauté Financière Africaine), is divided into 100 centimes. The Banque Centrale des Etats de l'Afrique Equatoriale et du Cameroun issues notes and coins.

## AFRICA, WEST

[Etats de l'Afrique Occidentale which includes Benin, Ivory Coast, Senegal, Togo, and Upper Volta]

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 francs .....	.....	25.00	900 silver, 100 copper.....	37.0	2.75
100 francs .....	11,575,000	7.00	Pure nickel.....	26.0	1.86
50 francs .....	6,002,000	5.00	75% copper, 25% nickel.....	22.0	1.86
25 francs .....	3,364,800	8.00	92% copper, 6% aluminum, 2% nickel.	27.2	2.25
10 francs .....	18,000,000	4.00	.....do.....	23.5	1.61
Do .....	.....	4.00	91% copper, 9% aluminum....	23.5	1.61
5 francs .....	20,010,000	3.00	92% copper, 6% aluminum, 2% nickel.	20.0	1.61
Do .....	.....	3.00	91% copper, 9% aluminum....	20.0	1.61
2 francs .....	.....	2.20	95% aluminum, 5% magnesium.	27.0	1.60
1 franc .....	8,000,000	1.30	.....do.....	23.0	1.54
Do .....	8,000,000	1.65	Stainless steel.....	15.0	1.35
Total .....	74,951,800				

<sup>1</sup> Made at French Government Mint, Paris. Coins were dated 1976.

\* Reeded edges: 500, 100, 50, and 25 francs. Smooth edges: 10, 5, 2, and 1 francs.

## AJMAN—See United Arab Emirates

## ALGERIA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dinar .....	.....	7.00	75% copper, 25% nickel.....	25.00	1.80
50 centimes.....	.....	5.00	79% copper, 20% zinc, 1% nickel.	24.00	1.58
20 centimes.....	.....	4.00	.....do.....	22.00	1.50
10 centimes.....	.....	2.50	.....do.....	19.00	1.30
5 centimes.....	.....	.80	95% aluminum, magnesium, and other metals 5%.	21.00	.99
2 centimes.....	.....	.60	.....do.....	18.00	n.a.
1 centime.....	.....	.50	.....do.....	16.00	1.09
Total .....	.....				

\* Reeded edges: 1 dinar, 50 centimes. Smooth edges: 20, 10, 5, 2, and 1 centimes.

n.a. Not available.





Coinage of West African Monetary Union

## AMERICAN SAMOA—U.S. coins circulate in American Samoa

## ANDORRA

[Spanish money principal circulating medium in Andorra. French money also circulates]

## ANGOLA, PEOPLE'S REPUBLIC OF

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 escudos.....	.....	10.00	720 silver, 280 copper.....	30.00	1.50
Do .....	.....	12.00	Pure nickel.....	30.00	2.10
10 escudos.....	.....	5.00	720 silver, 280 copper.....	24.00	1.20
Do .....	.....	9.00	75% copper, 25% nickel.....	28.00	2.00
5 escudos.....	.....	7.00	.....do.....	24.50	2.00
2½ escudos.....	.....	3.50	.....do.....	20.00	1.30
1 escudo.....	.....	8.00	95% copper, 3% zinc, 2% tin.	26.00	2.10
50 centavos.....	.....	4.00	.....do.....	20.00	1.60
20 centavos.....	.....	4.50	61% copper, 20% zinc, 19% nickel.	23.00	n.a.
Do .....	.....	3.00	95% copper, 3% zinc, 2% tin.	20.50	1.10
Do .....	.....	2.50	.....do.....	18.00	1.20
10 centavos.....	.....	2.50	61% copper, 20% zinc, 19% nickel.	19.00	n.a.
Do .....	.....	.50	97.5% aluminum, 2.5% magnesium.	15.00	1.30
5 centavos.....	.....	1.35	61% copper, 20% zinc, 19% nickel.	15.00	n.a.
Total.....	.....				

\*Serrated edges: 20, 10, 5 and 2½ escudos. Smooth edges: 1 escudo, 50, 20, 10, and 5 centavos.  
n.a. Not available.

NOTE.—The People's Republic of Angola became an independent nation on Nov. 11, 1975.

## ARGENTINA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 pesos .....	128,965,000	6.50	92% copper, 6% aluminum, 2% nickel.	25.00	1.6
5 pesos .....	118,353,000	5.75	.....do.....	23.50	1.6
1 peso .....	365,075,000	5.00	.....do.....	22.00	1.6
50 centavos.....	9,768,000	4.35	.....do.....	20.50	1.6
20 centavos.....	960,000	3.10	.....do.....	18.50	1.4
10 centavos.....	730,000	2.12	.....do.....	16.50	1.2
5 centavos.....	.....	.92	96% aluminum, 4% magnesium	17.50	1.4
1 centavo .....	.....	.62	.....do.....	15.50	1.2
Total .....	623,851,000				

<sup>1</sup> 1976 coinage was produced by Casa de Moneda de la Nacion, Buenos Aires, except for 265 million 1 pesos made by the Government Mint of Chile.

\* Smooth edges: 5 and 1 centavos coins. Reeded edges: All other denominations.

NOTE.—Argentine Law 18,188 Apr. 15, 1969, authorized the Central Bank of Argentina to issue a new monetary unit not later than Jan. 1, 1970. The new unit designated "peso" as opposed to "peso moneda nacional," is divided into 100 centavos. The legislation provided that new coins in 50, 20, 10, 5, 2, and 1 centavos denominations be issued beginning in January 1970.

*Previous issues of Argentine coins outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 pesos (12 sided) .....	6.5	90% steel, nickel clad.....	25.50	2.0
10 pesos (12 sided) .....	5.0	.....do .....	23.00	1.8
5 pesos (12 sided) .....	4.0	.....do .....	21.00	1.8

\* Smooth edges: all denominations.

NOTE.—Pursuant to Law 18,188, these coins became equivalent in value to 20, 10, and 5 centavos, respectively.





Coinage of Argentina

## AUSTRALIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents .....	27,356,680	15.55	75% copper, 25% nickel.....	31.51	2.64
20 cents .....	56,250,680	11.30	.....do.....	28.52	2.44
10 cents .....	57,136,680	5.65	.....do.....	23.60	1.90
5 cents .....	113,256,680	2.83	.....do.....	19.41	1.45
2 cents .....	97,326,680	5.20	97% copper, 2.5% zinc, 0.5% tin.	21.59	1.98
1 cent .....	173,011,680	2.60	.....do.....	17.53	1.55
Total .....	524,339,080				

<sup>1</sup> Coins for circulation dated 1976. Coinage made at Australian Government Mint, Canberra, and included the following special coin sets: 10,990 1975 proof sets, 20,206 1976 proof sets, 15,030 1975 uncirculated sets, and 30,454 1976 uncirculated sets.

\* Smooth edges: 2 and 1 cent coins. Milled edges: All others except the 50 cent piece. 50 cent piece is 12-sided with a smooth edge.

NOTE.—Australian coins circulate in Papua, New Guinea, Norfolk Island, Nauru, the Territory of Heard and McDonald Islands, the Australian Antarctic Territory, and the Territory of Cocos (Keeling) Islands.

## AUSTRIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 schillings <sup>2</sup> .....	1,800,000	13.5	900 gold, 100 copper.....	27.0	1.60
100 schillings <sup>3</sup> .....	7,411,800	24.0	640 silver, 360 copper.....	36.0	2.70
50 schillings.....	.....	20.0	900 silver, 100 copper.....	34.0	2.45
Do <sup>4</sup> .....	161,400	20.0	640 silver, 360 copper.....	34.0	2.45
25 schillings.....	.....	13.0	800 silver, 200 copper.....	30.0	2.10
10 schillings.....	.....	7.5	640 silver, 360 copper.....	27.0	1.60
Do.....	12,051,000	6.2	75% copper, 25% nickel bonded to pure nickel core.	26.0	1.60
5 schillings.....	3,727,000	4.8	75% copper, 25% nickel.....	23.5	1.40
1 schilling.....	19,933,000	4.2	91.5% copper, 8.5% aluminum	22.5	1.55
50 groschen.....	9,926,000	3.0	.....do.....	19.5	1.50
10 groschen.....	45,686,000	1.1	98.5% aluminum, 1.5% magnesium.	20.0	1.60
5 groschen.....	4,998,000	2.5	Zinc.....	19.0	1.50
2 groschen.....	2,269,000	.9	98.5% aluminum, 1.5% magnesium.	18.0	1.50
1 groschen.....	15,000	1.8	Zinc.....	17.0	1.30
1 reichspfennig.....	.....	1.8	.....do.....	17.0	1.30
Trade coins:					
Maria-Theresia thaler.	4,216,000	28.1	833 ⅓ silver, 166 ⅓ copper.....	39.5	2.50
Total .....	112,194,200				

<sup>1</sup> Coinage by the Austrian Mint, Vienna except for 1,616,000 of the Olympic coins made at Hall Mint, Tyrol. All Maria-Theresia thalers were dated 1780. All 1 groschen coins were dated 1947. Other coins for general circulation were dated as follows:

	1974	1975	1976
10 schillings.....	19,000	1,039,000	10,993,000
5 schillings.....	17,000	2,743,000	967,000
1 schilling.....	16,000	63,000	19,854,000
50 groschen.....	18,000	58,000	9,850,000
10 groschen.....	18,000	9,333,000	36,355,000
5 groschen.....	21,000	1,049,000	3,928,000
2 groschen.....	22,000	46,000	2,201,000

<sup>2</sup> Commemorates the 1,000th anniversary of the inauguration of the Babenberger dynasty in Austria, bearing the date 976-1976.

<sup>3</sup> Consists of 20,600 coins commemorating the 150th anniversary of the birth of Johann Strauss, 3,800 coins commemorating the 20th anniversary of the Austrian state treaty, 6,000 coins commemorating the 50th anniversary of the Austrian schilling, 1,881,000 coins commemorating the 12th Winter Olympic games at Innsbruck. The Olympic coins were dated 1976; all others bore the year 1975. Also includes 1,847,400 coins commemorating the 200th anniversary of the Burgtheater (dated 1776-1976); 1,784,000 commemorating the 1,000th anniversary of the province of Carinthia (dated 976-1976); and 1,869,000 in honor of the 175th anniversary of the birth of writer Johann Nestroy (dated 1976).

<sup>4</sup> Consists of 7,000 coins commemorating the 125th anniversary of the founding of the Austrian gendarmerie; 81,000 coins commemorating the 1,200th anniversary of the building of the Salzburg cathedral; and 73,400 coins commemorating the 50th anniversary of the Austrian Broadcasting Corp. These coins were dated 1974.

\* Lettered edges: 100, 50, 25 schillings and Maria-Theresia thalers. Smooth edges: 5 and 1 schillings, 10, 2, 1 groschen coins. Reeded edges: 1,000 and 10 schillings, 50 and 5 groschen pieces.



Coinage of Austria



## AZORES—Coins of Portugal circulate in the Azores

## BAHAMAS

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,500 dollars <sup>1</sup> .....	153	407.26	916.6 gold.....	72.00	6.24
200 dollars <sup>2</sup> .....	3,575	10.92	.....do.....	28.00	1.30
150 dollars <sup>3</sup> .....	6,375	8.19	.....do.....	24.00	1.40
100 dollars <sup>4</sup> .....	12,300	5.46	.....do.....	21.00	1.25
Do.....		31.95	.....do.....	36.00	1.10
50 dollars <sup>5</sup> .....	16,395	2.73	.....do.....	17.00	.86
Do.....		15.97	.....do.....	28.00	n.a.
20 dollars.....		6.38	.....do.....	22.00	n.a.
10 dollars.....		3.19	.....do.....	19.00	n.a.
Do <sup>6</sup> .....	10,531	48.60	925 silver, 75 copper.....	50.00	3.12
5 dollars <sup>6</sup> .....	25,361	42.12	.....do.....	45.01	3.20
2 dollars <sup>6</sup> .....	39,530	29.81	.....do.....	40.01	2.84
1 dollar <sup>6</sup> .....	24,623	18.14	800 silver, 200 copper.....	34.54	2.44
50 cents <sup>6</sup> .....	25,223	10.37	.....do.....	29.01	1.98
25 cents <sup>6</sup> .....	1,026,423	6.80	Pure nickel.....	24.26	2.03
15 cents <sup>6</sup> .....	27,523	6.48	75% copper, 25% nickel.....	21.59	2.06
10 cents <sup>6</sup> .....	3,030,023	5.51	.....do.....	23.50	1.80
5 cents <sup>6</sup> .....	3,036,023	3.89	.....do.....	21.01	1.52
1 cent <sup>6</sup> .....	84,023	3.11	79% copper, 20% zinc, 1% nickel.	19.05	1.42
Total.....	7,368,081				

1976 coinage was made by the Royal Canadian Mint, Ottawa, Royal Mint, London, the Franklin Mint, and unspecified foreign mints. The succeeding footnotes identify production as fully as possible.

<sup>1</sup> Coins dated 1975, 99 of which were manufactured by the Royal Canadian Mint. Remainder by unspecified mint.

<sup>2</sup> Of the 675 coins made by the Royal Canadian Mint, 669 were dated 1975, 6 dated 1974. Remainder, made by an unspecified mint, bore the year 1975.

<sup>3</sup> Of the 674 coins manufactured by the Royal Canadian Mint, 6 were dated 1974; the balance of the coins were dated 1975, mint unspecified.

<sup>4</sup> Of the 8,612 coins produced by the Royal Canadian Mint, 6 were dated 1974, 21 dated 1976; the remainder of the coins were dated 1975, mint unspecified.

<sup>5</sup> Of the 9,222 coins manufactured by the Royal Canadian Mint, 6 were dated 1974; the remainder of the coins were dated 1975, mint unspecified.

<sup>6</sup> All coins in the denominations \$10 through 1 cent were manufactured by the Franklin Mint, a private mint in the United States and dated 1976, except for 3 million of the 5 and 10 cent coins (dated 1975) and 1 million 25 cent coins (dated 1977), which were struck by the Royal Mint, London.

\* Smooth edges: 1, 5, 10, and 15 cent coins. Reeded edges: All other denominations.

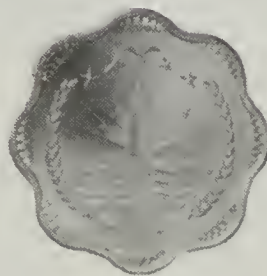
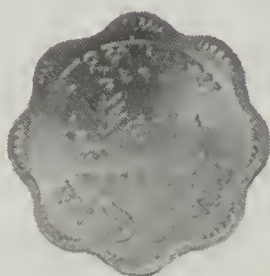
## BAHRAIN

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dinars.....		16.00	916% gold, 83% copper.....	28.40	n.a.
500 fils.....		18.14	800 silver, 200 copper.....	34.54	n.a.
250 fils.....	10,000	15.00	75% copper, 25% nickel.....	32.00	2.34
100 fils.....	800,000	6.50	.....do.....	25.00	n.a.
50 fils.....	409,000	3.10	.....do.....	20.00	n.a.
25 fils.....	1,250,000	1.75	.....do.....	16.51	1.19
10 fils.....	1,000,000	4.75	97% copper, 2.5% zinc, 0.5% tin.	23.50	1.47
5 fils.....		2.00	.....do.....	18.50	.84
1 fils.....		1.50	.....do.....	15.00	n.a.
Total.....	3,469,000				

<sup>1</sup> 1976 coinage, produced by mints in the United Kingdom, bore the date 1385 (1965), except for the 250 fils which were dated 1389 (1969).

\* Milled edges: 100 dinars, 250, 100, 50, 25, and 10 fils. Smooth edges: 5, and 1 fils.

n.a. Not available.



## BANGLADESH

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 taka .....	.....	6.00	Cupronickel .....	26.00	n.a.
50 poisha .....	.....	4.00	Copper, nickel, zinc alloy .....	22.00	n.a.
25 poisha .....	6,000,000	2.65	Stainless steel .....	19.00	n.a.
10 poisha .....	8,000,000	2.00	Aluminum with 2.8% magne- sium.	( <sup>2</sup> )	n.a.
5 poisha .....	6,000,000	1.40	.....do .....	<sup>3</sup> 18.80	n.a.
1 poisha .....	.....	.51	.....do .....	16.00	n.a.
Total .....	20,000,000				

<sup>1</sup> 1976 coinage was produced by an unspecified foreign mint. Coins for general issue were dated partially 1976 and partially 1977.

<sup>2</sup> 8 scallops: Outer circle 24 mm.; inner circle 21.40 mm.

<sup>3</sup> Square coin.

\* Reeded edges: 50 and 25 poisha coins. Smooth edges: 5 and 1 poisha coins.

n.a. Not available.

*Previous issues of Bangladesh coins in circulation in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rupee .....	11.55	Nickel .....	27.94	n.a.
50 poisha .....	5.00	75% copper, 25% nickel .....	22.00	n.a.
25 poisha .....	4.00	.....do .....	20.00	n.a.
10 poisha .....	4.00	.....do .....	( <sup>1</sup> )	n.a.
5 poisha .....	3.00	79% copper, 20% zinc, 1% nickel.	( <sup>2</sup> )	n.a.
2 poisha .....	2.25	97% copper, 2.5% zinc, 0.5% tin.	( <sup>3</sup> )	n.a.
Do .....	.75	99.75% aluminum, 0.25% copper.	( <sup>4</sup> )	n.a.
1 poisha .....	1.50	97% copper, 2.5% zinc, 0.5% tin	17.00	n.a.
Do .....	.60	Aluminum .....	17.00	n.a.

<sup>1</sup> 12 scallops with outer diameter 22 mm. and inner diameter 20.8 mm.

<sup>2</sup> Square coin with rounded corners measuring 21 mm. diagonally and 18.06 mm. across flats.

<sup>3</sup> Scalloped coin with outer diameter 18 mm. and inner diameter 17.05 mm.

<sup>4</sup> Scalloped coin with outer diameter 18 mm. and inner diameter 17.6 mm.

\* Smooth edges: 5 and 1 poisha coins. Serrated edges: 50 and 25 poisha coins. Waved edges: 10 and 2 poisha coins. Milled edges: 1 rupee.

n.a. Not available.



## BARBADOS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars .....	.....	6.34	500 gold.....	26.16	1.50
10 dollars .....	.....	38.00	925 silver.....	42.00	n.a.
Do .....	250	32.84	75% copper, 25% nickel.....	42.00	3.00
5 dollars .....	.....	32.10	800 silver.....	40.00	n.a.
Do .....	250	28.34	75% copper, 25% nickel.....	40.00	2.50
2 dollars .....	500	20.00	.....do.....	36.00	2.50
1 dollar .....	500	10.00	.....do.....	28.50	2.00
25 cents .....	1,800	5.65	.....do.....	23.60	1.50
10 cents .....	2,500	2.26	.....do.....	17.78	1.00
5 cents .....	5,000	3.75	80% copper, 20% zinc.....	21.00	1.50
1 cent .....	6,405,742	3.09	98% copper, 1.5% zinc, 0.5% tin.	19.00	1.50
Total .....	6,416,542				

<sup>1</sup> Coinage was made by the Franklin Mint, except for 6,400,742 1-cent coins which were produced by the Royal Canadian Mint, Ottawa. All coins were dated 1976.

n.a. Not available.

\* Smooth edges: \$1, 5 and 1 cent coins. Reeded edges: All other denominations.

## BELGIUM

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 francs <sup>2</sup> .....	2,000,000	25.00	835 silver, 165 copper.....	37	2.30
10 francs .....	15,000,000	8.00	Pure nickel.....	27	2.00
5 francs .....	15,000,000	6.00	75% copper, 25% nickel.....	24	1.75
1 franc .....	36,000,000	4.00	.....do.....	21	1.55
50 centimes .....	16,000,000	2.75	95% copper, 3% tin, 2% zinc.	19	1.30
Total.....	84,000,000				

<sup>1</sup> The 1976 coinage, made by the Belgian Government Mint, was dated 1976.

<sup>2</sup> Coins commemorating the 25th anniversary of the reign of King Baudoin were dated 1951-1976.

\* Milled edges: 250, 5 and 1 franc. Smooth edges: 10 francs and 50 centimes.

*Other Belgian coins in active circulation during 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs "Dynastie" .....	18.00	835 silver, 165 copper .....	33	2.30
25 centimes .....	1.80	75% copper; 25% nickel .....	16	1.20

\* Milled edges: 100 francs. Smooth edge: 25 centimes.

NOTE.—The 50 F coin was demonetized Feb. 22, 1974.

**BELIZE** (formerly British Honduras)

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents .....	187,500	9.07	75% copper, 25% nickel.....	27.74	n.a.
25 cents .....	300,000	5.66	.....do.....	23.60	n.a.
10 cents .....	450,000	2.40	.....do.....	17.00	n.a.
5 cents .....	.....	3.63	79% copper, 20% zinc, 1% nickel.	20.19	1.32
Do .....	625,000	1.04	Aluminum .....	20.19	n.a.
1 cent .....	800,000	2.59	97% copper, 2.5% zinc, 0.5% tin.	19.51	1.04
Do .....	1,000,000	.79	Aluminum .....	19.51	n.a.
Total .....	3,362,500				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated 1976.

\* Milled edges: 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

n.a. Not available.

**BENIN, PEOPLE'S REPUBLIC OF** —See Africa, West—Etats de l'Afrique Occidentale**BERMUDA**

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars .....	.....	7.03	900 gold.....	24.25	1.40
25 dollars .....	.....	48.30	925 silver, 75 copper.....	48.00	3.27
Do .....	.....	41.80	75% copper, 25% nickel.....	48.00	3.27
20 dollars .....	.....	7.99	916.6 gold.....	22.05	1.47
1 dollar .....	.....	28.28	925 silver, 75 alloy.....	38.00	n.a.
Do .....	.....	28.28	500 silver, 500 alloy.....	38.00	n.a.
Do .....	.....	28.28	800 silver, 200 alloy.....	38.61	2.98
50 cents .....	.....	12.64	75% copper, 25% nickel.....	30.61	2.28
25 cents .....	.....	5.96	.....do.....	24.26	1.70
10 cents .....	.....	2.43	.....do.....	17.91	1.39
5 cents .....	.....	5.00	.....do.....	21.21	1.85
1 cent .....	2,000,000	3.11	97% copper, 2.5% zinc, 0.5% tin.	19.05	1.47
Total .....	2,000,000				

<sup>1</sup> 1976 coinage was produced by mints in the United Kingdom. 1,240,000 coins were dated 1976; the remainder bore 1977.

\* Serrated edges: \$100, \$25, \$1, 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

n.a. Not available.

## BHUTAN

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
30 ngultrums .....	16,000	25.00	500 silver, 400 copper, 50 nickel, 50 zinc.	39.00	n.a.
15 ngultrums .....		22.50	.....do.....	39.00	3.00
1 ngultrum .....		n.a.	.....n.a.....	n.a.	n.a.
25 chetrum .....		n.a.	.....n.a.....	n.a.	n.a.
20 chetrum .....		4.50	92% copper, 6% aluminum, 2% nickel.	22.00	1.85
10 chetrum .....	400,000	2.30	96% aluminum, 4% magnesium	26.00	n.a.
5 chetrum .....		n.a.	.....n.a.....	n.a.	n.a.
Total .....	416,000				

<sup>1</sup> The 1976 coinage, made by the India Government Mint, Bombay, was dated 1975.

n.a. Not available.

\* Serrated edges: 15 ngultrums and 20 chetrum.

NOTE.—Coins of India also circulate in Bhutan.

## BOLIVIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 peso-bolivianos .....		22.00	933 silver, 67 copper .....	34.00	1.00
250 peso-bolivianos .....		15.00	.....do.....	30.00	1.00
100 peso-bolivianos .....		10.00	.....do.....	26.00	1.00
5 peso-bolivianos .....	20,000,000	8.50	90% steel, nickel clad .....	30.00	n.a.
1 peso-boliviano .....		6.00	.....do.....	27.00	1.57
50 cents .....		4.00	.....do.....	24.00	1.40
25 cents .....		3.50	.....do.....	22.50	1.35
20 cents .....		3.00	.....do.....	21.50	1.30
10 cents .....		2.50	90% steel, copper clad .....	19.00	1.38
5 cents .....		1.75	.....do.....	16.00	1.32
Total .....	20,000,000				

<sup>1</sup> The 1976 coinage, produced by Vereinigte Deutsche Metallwerke, A.G., was dated 1976.

\* Serrated edges: 500, 250, 100, 5, and 1 peso-boliviano coins. Smooth edges: Other denominations.

n.a. Not available.

## BOTSWANA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
150 pula <sup>2</sup> .....	4,500	15.98	916.6 gold .....	28.40	n.a.
5 pula <sup>2</sup> .....	35,000	28.28	925 silver .....	38.60	n.a.
1 pula(12 scallops)....	181,892	10.30	75% copper, 25% nickel .....	29.50	2.17
50 thebe .....	281,892	11.31	.....do.....	28.50	2.35
25 thebe .....	1,513,892	5.73	.....do.....	25.00	1.55
10 thebe .....	1,513,892	3.83	.....do.....	22.00	1.39
5 thebe .....	13,892	2.70	95% copper, 2.5% zinc, 0.5% tin.	19.50	1.27
1 thebe .....	15,043,892	.70	Aluminum .....	18.50	1.27
Total	18,588,852				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1976 and included 10,892 proof sets (1 pula through 1 thebe).

<sup>2</sup> Commemorate the 10th anniversary of Botswana's independence and bear the date 1966-1976.

\* Smooth edges: 1 pula. Reeded edges: All other denominations.

n.a. Not available.

NOTE.—First distinctive Botswana coins were issued Aug. 23, 1976. Botswana previously used South African currency and coin.



## BRAZIL

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
300 cruzeiros .....	.....	16.65	920 gold .....	27.50	1.80
20 cruzeiros .....	.....	18.04	900 silver .....	34.10	2.10
10 cruzeiros .....	.....	11.30	800 silver, 200 copper .....	28.00	1.80
1 cruzeiro .....	.....	10.08	Pure nickel .....	29.00	1.70
Do .....	n.a.	10.25	75% copper, 25% nickel .....	29.00	1.70
50 centavos .....	n.a.	7.71	.....do .....	27.00	1.50
Do .....	n.a.	6.65	Stainless steel .....	27.00	1.50
20 centavos .....	n.a.	6.55	75% copper, 25% nickel .....	25.00	1.50
Do .....	n.a.	5.67	Stainless steel .....	25.00	1.50
10 centavos .....	n.a.	4.22	.....do .....	23.00	1.30
5 centavos .....	n.a.	2.69	.....do .....	21.00	1.00
2 centavos .....	n.a.	2.21	.....do .....	19.00	1.00
1 centavo .....	n.a.	1.77	.....do .....	17.00	1.00
Total .....	n.a.				

\* Serrated edges: 1 cruzeiro, 50, 20, and 10 centavos. Smooth edges: 5, 2, and 1 centavos coins. Lettered edges: 300, 20, 10, and 1 cruzeiro commemoratives.

n.a. Not available.

## BRUNEI

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 sen .....	480,000	9.33	75% copper, 25% zinc .....	27.76	1.73
20 sen .....	1,280,000	5.66	.....do .....	23.60	1.45
10 sen .....	1,840,000	2.83	.....do .....	19.41	1.10
5 sen .....	768,000	1.41	.....do .....	16.26	.76
1 sen .....	280,000	1.94	97% copper, 2.5% zinc, 0.5% tin.	17.78	.91
Total .....	4,648,000				

<sup>1</sup> Made by mints in the United Kingdom. Half of the coins of each denomination were dated 1976, the other half 1977.

\* Smooth edge: 1 sen. Reeded edges: All other denominations.

## BURMA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 kyat .....	.....	11.66	75% copper, 25% nickel .....	30.5	2.24
50 pyas .....	.....	7.78	.....do .....	26.0	1.93
25 pyas (Scalloped) .....	.....	6.80	.....do .....	22.5, 24.0	2.03
10 pyas (Square) .....	.....	4.54	.....do .....	19.8, 23.4	1.73
5 pyas (Scalloped) .....	.....	3.24	.....do .....	18.5, 19.5	1.55
1 pya .....	.....	2.27	95.5% copper, 3% tin, 1.5% zinc.	18.0	1.20
Do .....	.....	2.27	97% copper, 2.5% zinc, 0.5% tin.	18.0	n.a.

\* Type of edge not available.

n.a. Not available.

BURUNDI

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 francs .....	.....	8.00	75% copper, 25% nickel.....	28	1.8
5 francs .....	2,000,000	2.17	97% aluminum, 3% magnesium	25	1.6
1 franc .....	.....	4.11	70% copper, 30% zinc.....	23	1.1
Do .....	5,000,000	.87	Aluminum .....	19	1.4
Total.....	7,000,000				

<sup>1</sup> 1976 coinage manufactured by Vereinigte Deutsche Metallwerke, A.G.  
\* Milled edges: All coins.

CAMBODIA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 riel .....	.....	2.8	75% copper, 25% nickel.....	19.38	n.a.
50 sen .....	.....	3.8	95% aluminum, 5% magnesium	31.00	2.43
20 sen .....	.....	2.2	....do.....	27.00	2.05
10 sen .....	.....	1.3	....do.....	23.00	1.56
Total.....	.....				

\* Type of edge not available except for 1 riel, which has reeded edge.  
n.a. Not available.

CANADA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars <sup>2</sup> .....	350,000	16.97	916.6 gold .....	24.96	2.55
Do <sup>2</sup> .....	650,000	13.34	583.3 gold .....	27.00	2.15
10 dollars <sup>2</sup> .....	3,790,514	48.60	925 silver.....	45.00	3.43
5 dollars <sup>2</sup> .....	3,775,259	24.30	....do.....	37.95	2.49
1 dollar <sup>3</sup> .....	616,083	23.33	500 silver, 500 copper.....	36.07	2.66
Do .....	2,498,204	15.62	Pure nickel.....	32.13	2.62
50 cents .....	2,940,719	8.10	....do.....	27.13	1.94
25 cents .....	86,898,261	5.05	....do.....	23.88	1.58
10 cents .....	95,018,533	2.07	....do.....	18.03	1.19
5 cents .....	55,140,213	4.54	....do.....	21.21	1.76
1 cent .....	701,122,890	3.24	98% copper, 1.5% zinc, 0.5% tin.	19.05	1.65
Total.....	952,800,676				

<sup>1</sup> Coinage produced by the Royal Canadian Mint, Ottawa, was dated 1976.  
<sup>2</sup> Commemorating the Olympic Games held in Monireal in 1976.  
<sup>3</sup> Commemorating the Library of Parliament.  
\* Reeded edges on all denominations except the 5 and 1 cent pieces, which are smooth.

Previous Issues of Canadian Coins in Circulation in 1976

Denomination	Gross weight	Metallic Composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents .....	11.66	800 silver, 200 copper .....	29.72	2.03
25 cents .....	5.83	....do .....	23.88	1.78
Do .....	5.83	500 silver, 500 copper .....	23.88	1.78
10 cents .....	2.33	800 silver, 200 copper .....	17.91	1.22
Do .....	2.33	500 silver, 500 copper .....	21.21	1.22
5 cents .....	1.17	800 silver, 200 copper .....	21.21	1.78
Do .....	4.54	88% copper, 12% zinc .....	21.23	1.78
Do .....	4.54	Steel.....	21.21	1.78

\* Reeded edges: 50, 25, and 10 cent coins. Smooth edges: 5 cent coins. The 88% copper 5-cent piece is 12-sided.

## CAPE VERDE, REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,500 escudos.....	500	8.0	900 gold, 100 silver and copper	22.0	1.63
250 escudos.....	13,264	16.5	925 silver, 75 copper.....	34.0	2.18
10 escudos.....		5.0	720 silver, 280 copper.....	24.0	1.20
5 escudos.....		4.0	75% copper, 25% nickel.....	22.0	1.40
2½ escudos.....		3.5	.....do.....	20.0	1.30
1 escudo.....		8.0	95% copper, 3% zinc, 2% tin.	26.0	1.80
Do.....		8.0	61% copper, 20% zinc, 19% nickel.	26.8	1.60
50 centavos.....		4.5	.....do.....	22.8	1.30
Do.....		4.0	95% copper, 3% zinc, 2% tin.	20.0	1.50
20 centavos.....		5.0	96% copper, 4% zinc.....	25.0	1.20
10 centavos.....		4.0	.....do.....	22.5	1.20
5 centavos.....		3.0	.....do.....	19.0	n.a.
Total .....	13,764				

<sup>1</sup> 1976 coinage was made by the Portuguese Government Mint and dated 1975.

\*Serrated edges: 2,500, 250, 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, 10, and 5 centavos.

n.a. Not available.

NOTE.—The Republic of Cape Verde became independent on July 6, 1975.

## CARIBBEAN TERRITORIES, EASTERN GROUP

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
4 dollars.....	4,300	28.28	75% copper, 25% nickel.....	38.61	3.00
50 cents .....		13.00	.....do.....	30.10	n.a.
25 cents .....		6.50	.....do.....	24.00	1.98
10 cents .....		2.60	.....do.....	18.10	1.50
5 cents .....		5.00	79% copper, 20% zinc, 1% nickel.	21.00	2.00
2 cents .....		9.45	95.5% copper, 3% tin, 1.5% zinc.	30.90	1.78
Do .....		9.45	97% copper, 2.5% zinc, 0.5% tin.	30.90	1.78
1 cent .....		5.67	.....do.....	25.50	1.60
Do .....		5.67	95.5% copper, 3% tin, 1.5% zinc.	25.50	1.60
Total.....	4,300				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated 1970.

n.a. Not available.

\* Milled edges: \$4, 50, 25, 10 and 5 cents. Smooth edges: 2 cents, and 1 cent pieces.

NOTE.—The currency area currently includes Grenada, Montserrat and the five Associated States, Antigua, St. Kitts, St. Vincent, St. Lucia, and Dominica.



## CAYMAN ISLANDS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars <sup>2</sup> .....	6,507	22.68	500 gold .....	34.00	2.74
50 dollars <sup>3</sup> .....	17,414	64.80	925 silver .....	50.00	3.76
25 dollars .....	.....	14.32	500 gold .....	27.10	n.a.
Do .....	.....	51.84	925 silver .....	45.00	3.55
5 dollars <sup>4</sup> .....	12,930	35.64	..... do .....	42.00	3.07
2 dollars <sup>5</sup> .....	8,434	29.81	..... do .....	40.00	2.80
1 dollar .....	10,219	18.14	..... do .....	35.00	2.13
50 cents .....	10,219	10.37	..... do .....	28.50	1.93
25 cents .....	10,219	5.67	75% copper, 25% nickel .....	24.26	1.68
10 cents .....	10,219	3.90	..... do .....	20.96	1.62
5 cents .....	10,219	2.20	..... do .....	18.00	1.22
1 cent .....	10,219	2.85	97% copper, 2.5% zinc, 0.5% tin.	17.00	1.72
Total <sup>6</sup> .....	106,599				

<sup>1</sup> 1976 coinage was made by the Royal Canadian Mint.

<sup>2</sup> Coins honoring the six sovereign queens of Great Britain, of which 5,557 were dated 1975 and 950 dated 1976.

<sup>3</sup> Honoring the six sovereign queens of Great Britain: 15,014 dated 1975 of which 6,250 were believed to be proof; 2,400 dated 1976, of which 1,800 believed to be proof.

<sup>4</sup> Consists of 7,753 coins dated 1975 and 5,177 dated 1976, all proofs.

<sup>5</sup> Consists of 5,390 coins dated 1975 and 3,044 dated 1976, all proof.

<sup>6</sup> Includes 7,175 proof sets dated 1975 and 3,044 proof sets dated 1976. Sets were composed of one coin of each denomination \$1 through 1 cent.

\* Reeded edges: \$100, \$50, \$25, \$5, \$2, \$1, 50, 25, and 10 cent coins. Smooth edges: 5 and 1 cent coins.

n.a. Not available.

## CHILE

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Peso system: <sup>2</sup>					
10 pesos .....	2,100,000	9.00	70% copper, 15% nickel, 15% zinc.	28.00	1.65
5 pesos .....	2,100,000	7.00	..... do .....	26.00	1.49
1 peso .....	30,000,000	5.00	..... do .....	24.00	1.24
50 centavos .....	1,000,000	4.00	..... do .....	22.00	1.18
10 centavos <sup>3</sup> .....	9,000,000	5.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.51
Do .....	6,600,000	2.00	100% aluminum .....	23.00	1.80
5 centavos <sup>3</sup> .....	5,000,000	1.50	..... do .....	21.00	1.60
Do .....	6,600,000	4.00	92% copper, 6% aluminum, 2% nickel.	21.00	1.45
1 centavo .....	.....	2.00	100% aluminum .....	25.00	1.53
Subtotal .....	62,400,000				
Escudo system:					
100 escudos <sup>3</sup> .....	.....	5.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.51
50 escudos <sup>3</sup> .....	.....	4.00	..... do .....	21.00	1.45
10 escudos .....	.....	2.00	100% aluminum .....	25.00	1.53
Subtotal .....	.....				
Total .....	62,400,000				

<sup>1</sup> 1976 coinage, produced by the Chilean Government Mint, was dated 1976.

<sup>2</sup> On Sept. 29, 1975, a new monetary unit, the peso, with fractional unit the centavo, was introduced. 1 peso is equivalent to 1,000 escudos.

<sup>3</sup> 12-sided coins.

\* Reeded edges: 1 peso, 50 centavos. Smooth edges: All others.

## CHINA, REPUBLIC OF (TAIWAN)

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dollars.....	140,000,000	9.50	75% copper, 25% nickel.....	29.0	2.00
1 dollar.....	634,497,000	6.00	55% copper, 27% zinc, 18% nickel.	25.0	1.60
50 cents .....	.....	3.70	65% copper, 34% zinc, 1% nickel.	23.0	1.30
20 cents .....	.....	1.80	Aluminum .....	22.8	1.63
10 cents .....	.....	1.15	99% aluminum, 1% magnesium	19.0	1.70
Total.....	774,497,000				

<sup>1</sup> All coins produced by Central Mint of China, Taipei.

\* Reeded edges: All denominations.

## COLOMBIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins:					
2,000 pesos <sup>2</sup> .....	4,000	8.60	900 gold, 100 other metal.....	( <sup>3</sup> )	1.50
1,500 pesos.....	.....	19.10	.....do.....	27.00	2.50
1,000 pesos <sup>2</sup> .....	4,000	4.30	.....do.....	( <sup>4</sup> )	1.00
Subtotal.....	8,000				
Regular issue:					
5 pesos.....	.....	10.00	90% steel nickel clad.....	30.00	2.20
1 peso.....	98,727,700	6.75	65% copper, 20% zinc, 15% nickel.	25.00	1.92
50 centavos <sup>5</sup> .....	13,181,240	4.50	90% steel nickel clad.....	23.00	1.70
20 centavos.....	29,590,060	4.50	.....do.....	23.00	1.70
10 centavos.....	46,084,430	2.50	.....do.....	18.00	1.45
5 centavos.....	3,009,000	3.25	90% steel copper clad.....	21.00	1.30
1 centavo.....	1,000,000	2.00	.....do.....	17.00	1.35
Subtotal.....	191,592,430				
Total.....	191,600,430				

<sup>1</sup> All regular issue 1976 coinage bore the year 1976 and was made by Casa de Moneda, Bogota.<sup>2</sup> Numismatic coins, manufactured by the Swiss Bank Corp., commemorating 300th anniversary of the City of Medellin, bore the dates 1675-1975.<sup>3</sup> Square coin with rounded corners, measuring 21 mm. across flats.<sup>4</sup> Square coin with rounded corners, measuring 17 mm. across flats.<sup>5</sup> 12-sided coin.

\* Reeded edges: All numismatic coins, 1 and 5 pesos, 20, and 10 centavos pieces. Smooth edges: 50, 5, and 1 centavo pieces.

## COMOROS, REPUBLIC OF

## COOK ISLANDS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar.....	.....	27.22	75% copper, 25% nickel.....	38.74	3.05
50 cents .....	.....	13.61	.....do.....	31.75	2.36
20 cents .....	.....	11.31	.....do.....	28.58	2.41
10 cents .....	.....	5.66	.....do.....	23.62	1.90
5 cents .....	.....	2.83	.....do.....	19.43	1.45
2 cents .....	.....	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.68
1 cent .....	.....	2.07	.....do.....	17.53	1.29
Total .....	.....				

\* Edges not available.

## COSTA RICA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 colones <sup>2</sup> .....	250,000	20.00	Pure nickel.....	36.00	n.a.
10 colones <sup>2</sup> .....	500,000	16.00	.....do.....	33.00	n.a.
5 colones <sup>2</sup> .....	2,000,000	12.00	.....do.....	30.00	n.a.
2 colones.....	.....	14.00	75% copper, 25% nickel.....	32.00	2.28
Do .....	.....	12.00	Stainless steel (17% chrome)...	32.00	2.00
1 colon.....	.....	8.66	.....do.....	29.00	2.00
Do .....	1,971,924	10.00	75% copper, 25% nickel.....	29.00	1.68
50 centimos .....	3,475,841	7.00	.....do.....	26.00	1.49
25 centimos .....	.....	3.45	.....do.....	22.00	1.30
10 centimos .....	40,000,000	2.00	.....do.....	18.00	1.10
Do .....	.....	1.75	Stainless steel (17% chrome)...	15.00	1.00
5 centimos .....	.....	.875	.....do.....	15.00	.80
Do .....	11,730,000	1.00	75% copper, 25% nickel.....	15.00	.67
Subtotal.....	59,927,765				
Numismatic coins:					
1,500 colones <sup>3</sup> .....	291	33.44	900 gold, 100 silver .....	34.00	2.49
1,000 colones.....	.....	149.04	900 gold, 100 copper .....	60.00	n.a.
500 colones.....	.....	74.52	.....do.....	55.00	n.a.
200 colones.....	.....	29.80	.....do.....	40.00	n.a.
100 colones.....	.....	14.90	.....do.....	30.00	n.a.
Do .....	.....	35.00	925 silver.....	42.00	n.a.
Do .....	.....	31.65	500 silver, 500 copper.....	42.00	2.87
50 colones.....	.....	25.31	.....do.....	38.61	n.a.
Do .....	.....	28.28	925 silver.....	38.61	2.75
Do .....	.....	7.45	900 gold, 100 copper .....	23.00	n.a.
25 colones.....	.....	53.90	1000/1000 pure silver.....	60.00	n.a.
20 colones.....	.....	43.12	.....do.....	50.00	n.a.
10 colones.....	.....	21.56	.....do.....	40.00	n.a.
5 colones.....	.....	10.78	.....do.....	28.00	n.a.
2 colones.....	.....	4.31	.....do.....	21.00	n.a.
Subtotal .....	291				
Grand total.....	59,928,056				

<sup>1</sup> Regular issue coinage: 20, 10, 5 colones produced by Vereinigte Deutsche Metallwerke, A.G., dated 1950-1975; 1 colon, 50 and 5 centimos produced by Guatemala Mint, dated 1976; 10 centimos manufactured by Sherritt Mint and Royal Canadian Mint, dated 1976.

<sup>2</sup> Commemorates the 25th anniversary of Banco Central of Costa Rica, dated 1950-1975.

<sup>3</sup> Manufactured by Royal Mint, London, dated 1974. Part of the World Wildlife Conservation series, calling attention to endangered species of wildlife.

\* Lettered edges: 2 and 1 colones, 50, 25, 20 centimos. Reeded edges: All numismatic coins and 10 and 5 centimos. n.a. Not available.



## CYPRUS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 mils .....	500,000	14.14	75% copper, 25% nickel.....	32.31	2.29
Do <sup>2</sup> .....	10,000	14.14	800 silver, 200 copper.....	32.31	2.11
100 mils .....	1,000,000	11.31	75% copper, 25% nickel.....	28.49	2.29
50 mils .....	1,000,000	5.66	.....do.....	23.59	1.73
25 mils .....	1,000,000	2.83	.....do.....	19.41	1.32
5 mils .....	.....	5.67	97% copper, 2.5% zinc, 0.5% tin.	25.48	1.60
1 mil .....	.....	1.00	91.15% aluminum, 6.8% magne- sium, 2.05% other metals.	( <sup>3</sup> )	1.70
Total.....	3,510,000				

<sup>1</sup> 1976 coinage was produced by mints in the United Kingdom. All 25 mils and 500,000 of the 100 and 50 mils pieces were dated 1976, the 500 mils were dated 1975, while the remaining 100 and 50 mils were dated 1974.

<sup>2</sup> Proof coins.

<sup>3</sup> Twelve-sided coin measures 18.3 mm. across the flats.

\* Milled edges: 500, 100, 50, and 25 mils. Smooth edges: 5, and 1 mils.

n.a. Not available.



Coinage of Cyprus

## CZECHOSLOVAKIA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative: <sup>1</sup>					
100 crowns <sup>2</sup> .....	n.a.	15.00	700 silver, 300 copper .....	33.00	n.a.
50 crowns .....	n.a.	13.00	.....do .....	31.00	2.20
20 crowns .....	n.a.	9.00	500 silver, 400 copper, 50 nickel, 50 zinc.	29.00	2.00
Regular issue:					
5 crowns .....	n.a.	7.00	80% copper, 20% nickel .....	26.00	1.90
2 crowns .....	n.a.	6.00	.....do .....	24.00	1.90
1 crown .....	n.a.	4.00	91% copper, 8% aluminum, 1% manganese.	23.00	1.53
50 heller .....	n.a.	3.00	90% copper, 10% zinc .....	21.50	1.30
20 heller .....	n.a.	2.60	79% copper, 20% zinc, 1% nickel.	19.50	1.40
10 heller .....	n.a.	1.18	97.6% aluminum, 2% magne- sium, 0.4% manganese.	22.00	1.20
Do .....	n.a.	.90	.....do .....	18.20	2.30
5 heller .....	n.a.	.80	.....do .....	20.00	1.00
Total .....	.....				

<sup>1</sup> Commemorative coins valid as legal tender.

<sup>2</sup> Coin commemorating the 100th anniversary of the birth of Victor Kaplan, Czechoslovak inventor and designer of the Kaplan turbine was issued on Nov. 22, 1976. The coin bore the date 1876-1976.

\* Incused edges: 1 Kcs, 50 and 10 h coins. Smooth edges: 5 and smaller 10 h. Reeded edges: 20 and 10 h pieces. Smooth engraved: 20, 5, and 2 Kcs. Lettered edge: 100 Kcs. Edges of other commemoratives vary.

n.a. Not available.

*Previous issues of Czechoslovakian coins outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 crowns .....	7.00	80% copper, 20% nickel .....	26.00	1.50
3 crowns .....	5.50	.....do .....	23.50	1.35
25 heller .....	1.43	97.6% aluminum, 2% magnesium, 0.4% manganese.	24.00	1.20
3 heller .....	.66	.....do .....	18.00	1.00
1 heller .....	.50	.....do .....	16.00	1.00

\* "Smooth, engraved" edges: 5 and 3 Kcs coins. Incused edge: 25 h. Smooth edges: 3 and 1 h coins.





Coinage of Czechoslovakia

## DENMARK

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 kroner.....	.....	20.50	800 silver.....	36.00	2.20
5 kroner.....	7,651,085	15.00	75% copper, 25% nickel.....	33.00	2.35
1 kroner.....	28,048,792	6.80	.....do.....	25.50	1.85
25 ore with hole <sup>2</sup> .....	48,388,394	4.30	.....do.....	23.00	1.25
10 ore.....	64,358,979	3.00	.....do.....	18.00	1.58
5 ore.....	.....	6.00	95% copper, 4% tin, 1% zinc.	24.00	1.75
Do.....	73,296,225	1.60	90% steel, copper clad.....	15.50	1.25
2 ore.....	.....	3.20	Zinc.....	21.00	1.55
Do.....	.....	3.60	95% copper, 4% tin, 1% zinc.	19.50	1.47
1 ore.....	.....	1.60	.....do.....	16.00	1.31
Total.....	221,743,475				

<sup>1</sup> Made at the Royal Mint of Denmark.<sup>2</sup> The diameter of central hole is 4.6 mm.

\* Reeded edges: 10, 5 and 1 kroner. Smooth edges: All other coins.

## DOMINICA—See Caribbean Territories, Eastern Group

## DOMINICAN REPUBLIC

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pesos.....	.....	10.00	900 gold.....	25.00	1.50
30 pesos.....	.....	11.70	900 gold, 100 copper.....	24.30	n.a.
10 pesos.....	.....	28.00	900 silver, 100 copper.....	40.00	2.80
Do.....	.....	27.00	.....do.....	40.00	2.70
1 peso.....	30,000	26.70	75% copper, 25% nickel.....	38.10	4.00
Do.....	.....	26.70	900 gold, 100 copper.....	38.10	n.a.
50 centavos.....	200,000	12.50	75% copper, 25% nickel.....	30.63	2.20
25 centavos.....	3,200,000	6.25	.....do.....	24.30	1.80
10 centavos.....	600,000	2.50	.....do.....	17.90	1.50
5 centavos.....	6,000,000	5.00	.....do.....	21.20	1.90
1 centavo.....	4,600,000	3.00	95% copper, 4.5% zinc, 0.5% tin.	19.05	1.70
Total.....	14,630,000				

<sup>1</sup> Struck by Vereinigte Deutsche Metallwerke, A.G., dated 1976, except for the 1 centavos coins which were produced by mints in the United Kingdom and dated 1975.

\* Reeded edges: 100 and 10 pesos; 50, 25, and 10 centavos. Smooth edges: 1 and 5 centavos coins. Lettered edge: 28 gr. silver 10 peso coin.

n.a. Not available.

## DUBAI—See United Arab Emirates

## ECUADOR

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2 sucre.....	5,240,000	9.00	75% copper, 25% nickel.....	29.00	n.a.
1 sucre.....	592,000	6.50	90% steel, nickel clad.....	26.00	1.95
50 centavos.....	.....	5.00	.....do.....	23.00	2.00
20 centavos.....	.....	3.60	.....do.....	21.00	1.70
10 centavos.....	10,000,000	2.75	.....do.....	19.00	1.50
5 centavos.....	.....	2.00	75% copper, 25% nickel.....	17.00	1.00
Total.....	15,832,000				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated 1975, except for the 10 centavos which were manufactured by Vereinigte Deutsche Metallwerke, A.G., and dated 1976.

\* Reeded edges: 2 and 1 sucre, and 50 centavos. Smooth edges: 20, 10, and 5 centavos.

n.a. Not available.





EGYPT—See United Arab Republic

EIRE—See Ireland, Republic of

## EL SALVADOR

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 centavos.....	.....	3.88	Pure nickel.....	19.99	n.a.
25 centavos.....	.....	2.50	.....do.....	17.88	1.48
10 centavos.....	.....	7.00	75% copper, 25% nickel.....	26.00	2.50
Do.....	.....	5.00	Cupronickel clad steel.....	26.00	1.50
5 centavos.....	.....	5.00	75% copper, 25% nickel.....	23.00	1.63
Do.....	.....	4.00	Cupronickel clad steel.....	23.00	1.50
3 centavos.....	.....	4.00	70% copper, 30% nickel.....	19.00	2.00
2 centavos.....	.....	2.50	.....do.....	17.00	1.50
1 centavo.....	.....	2.50	95% copper, 5% zinc.....	16.00	1.68
Total.....	.....				

\* Smooth edges: 10, 5, and 1 centavos coins. Reeded edges: 50 and 25 centavos coins.  
n.a. Not available.

## EQUATORIAL GUINEA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 eukele.....	.....	5.20	75% copper, 25% nickel.....	24.00	n.a.
5 eukele.....	.....	3.40	.....do.....	21.00	n.a.
1 eukele.....	.....	2.40	70% copper, 30% zinc.....	19.00	n.a.
Total.....	.....				

\* Milled edges.  
n.a. Not available.

## ETHIOPIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 cents <sup>2</sup> .....	.....	6.80	95% copper, 5% zinc.....	26.00	1.82
Do <sup>2</sup> .....	.....	6.80	95% copper, 5% zinc and tin.	26.00	1.82
10 cents.....	32,720,000	4.50	79% copper, 20% zinc, 1% nickel.	23.00	2.13
5 cents.....	.....	4.02	.....do.....	20.00	1.88
Do.....	.....	4.02	95% copper, 5% zinc and tin.	20.00	1.88
1 cent.....	.....	2.85	95% copper, 5% zinc.....	17.00	1.88
Do.....	.....	2.85	95% copper, 5% zinc and tin.	17.00	1.88
Total.....	32,720,000				

<sup>1</sup> Coins, manufactured by mints in the United Kingdom, were dated 1968.

<sup>2</sup> Scalloped coin.

\* Milled edge: 10 cents. Smooth edges: 5 and 1 cents.

NOTE.—The basic monetary unit of Ethiopia was changed from the dollar to the birr by Monetary and Banking Proclamation No. 99/1976 dd., Sept. 21, 1976. The fractional unit remained the cent.

FALKLAND ISLANDS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 pounds .....	.....	39.94	916.6 gold .....	36.02	n.a.
2 pounds .....	.....	15.98	.....do.....	28.40	n.a.
1 pound .....	.....	7.99	.....do.....	22.05	n.a.
½ pound .....	.....	3.99	.....do.....	19.30	n.a.
10 pence .....	1,261	11.31	75% copper, 25% nickel.....	28.50	n.a.
5 pence .....	1,261	5.66	.....do.....	23.60	n.a.
2 pence .....	1,261	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	n.a.
1 penny .....	1,261	3.56	.....do.....	20.32	n.a.
½ penny.....	1,261	1.78	.....do.....	17.15	n.a.
Total.....	6,305				

<sup>1</sup> The 1976 proof coinage, produced by mints in the United Kingdom, was dated 1974.  
\* Milled edges: 5, 2, 1, ½ pound coins, 10 and 5 pence pieces. Smooth edges: 2 pence, 1, and ½ penny pieces.  
n.a. Not available.  
NOTE.—Falkland Island coins are legal tender and circulate with coins of the United Kingdom.

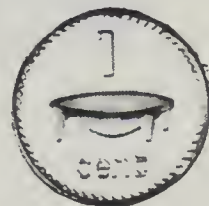
FAROE ISLANDS—Use coins of Denmark  
FIJI

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Regular issue <sup>1</sup> :					
1 dollar .....	5,001	28.78	75% copper, 25% nickel.....	38.60	3.12
50 cents.....	805,001	15.55	.....do.....	( <sup>2</sup> )	2.64
20 cents.....	605,001	11.31	.....do.....	28.52	2.41
10 cents.....	1,045,001	5.65	.....do.....	23.60	1.90
5 cents.....	2,165,001	2.83	.....do.....	19.41	1.45
2 cents.....	2,255,001	3.89	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 cent.....	5,005,001	1.94	.....do.....	17.53	1.22
Subtotal .....	11,885,007				
Numismatic coins <sup>3</sup> :					
100 dollars .....	1,911	31.36	500 gold, 500 alloy.....	38.00	2.74
25 dollars.....	3,007	48.60	925 silver.....	45.00	3.48
10 dollars.....	3,004	30.80	.....do.....	40.00	3.05
1 dollar.....	3,012	28.78	.....do.....	38.60	3.12
50 cents.....	3,012	18.00	.....do.....	( <sup>2</sup> )	2.64
20 cents.....	3,012	13.09	.....do.....	28.52	2.41
10 cents.....	3,012	6.55	.....do.....	23.60	1.90
5 cents.....	3,012	3.28	.....do.....	19.41	1.45
2 cents.....	3,012	4.53	.....do.....	21.08	1.60
1 cent.....	3,012	2.26	.....do.....	17.53	1.22
Subtotal .....	29,006				
Total .....	11,914,013				

<sup>1</sup> Regular issue coinage was made by the Royal Australian Mint and included 5,001 uncirculated sets dated 1976. Other coins were dated as follows:

Denomination	1976	1977
50 cents .....	800,000	.....
20 cents .....	400,000	200,000
10 cents .....	800,000	240,000
5 cents .....	1,200,000	960,000
2 cents .....	1,000,000	1,250,000
1 cent.....	2,000,000	3,000,000

<sup>2</sup> 12 sided coin measuring 31.51 across flats.  
<sup>3</sup> The \$100 and \$25 coins, made by the Royal Canadian Mint, bore the year 1975. The \$10 through 1¢ proof coins, manufactured by the Royal Australian Mint, were dated 1976.  
\* Smooth edges: 50, 2, and 1 cent coins. Reeded edges: All other denominations.



Coinage of Fiji



FINLAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 markkaa.....	.....	24.20	500 silver, 450 copper, 50 zinc	35.00	3.10
5 markkaa.....	400,000	8.00	93% copper, 5% aluminum, 2% nickel.	26.30	2.05
1 markka.....	.....	6.40	350 silver, 570 copper, 80 zinc	24.00	1.77
Do.....	12,048,000	6.10	75% copper, 25% nickel.....	24.00	1.77
50 pennia.....	7,022,000	5.50	93% copper, 5% aluminum, 2% nickel.	25.00	1.90
20 pennia.....	20,058,000	4.50	.....do.....	22.50	1.90
10 pennia.....	10,063,000	3.00	.....do.....	20.00	1.50
5 pennia.....	25,551,000	2.60	97% copper, 2.5% zinc, 0.5% tin.	18.00	1.40
1 penni.....	.....	1.60	.....do.....	15.80	1.10
Do.....	34,965,000	.45	97.5% aluminum, 2.5% magne- sium.	15.80	1.10
Total.....	110,107,000				

<sup>1</sup> The 1976 coinage, made by the Mint of Finland, bears the date 1976.  
\* Lettered edges: 5 and 1 markka. Reeded edges: 50, 20, and 10 pennia. Smooth edges: 10 markka, 5, and 1 pennia.

FRANCE

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 francs.....	7,707,000	30.00	900 silver, 100 copper.....	41.0	n.a.
10 francs.....	104,092,500	10.00	92% copper, 6% nickel, 2% aluminum.	26.0	2.70
5 francs.....	1,630,000	10.00	Pure nickel bonded to core of 75% copper, 25% nickel.	29.0	2.10
1 franc.....	192,520,000	6.00	Pure nickel.....	24.0	1.90
½ franc.....	115,314,000	4.50	.....do.....	19.5	2.10
20 centimes.....	117,610,000	4.00	92% copper, 6% aluminum, 2% nickel.	23.5	1.50
10 centimes.....	137,320,000	3.00	.....do.....	20.0	1.50
5 centimes.....	148,395,000	2.00	.....do.....	17.0	1.20
1 centime.....	4,450,000	1.65	17% chrome steel.....	15.0	1.50
Total.....	829,038,500				

<sup>1</sup> The 1976 coinage was made by the French Government Mint, Paris, and bore the year 1976.  
\* Lettered edges: 50 and 10 francs. Reeded edges: 5, 1, and ½ francs. Smooth edges: 20, 10, 5, and 1 centime coins.  
n.a. Not available.

FRENCH GUADELOUPE  
FRENCH GUIANA  
FRENCH MARTINIQUE

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}

Use coins of metropolitan France

## FRENCH POLYNESIA

Denomination (CFP francs)	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	2,000,200	10.0	92% copper, 6% nickel, 2% aluminum.	30.0	n.a.
50 francs .....	.....	15.0	Pure nickel.....	33.0	2.2
20 francs .....	.....	10.0	.....do.....	28.5	2.1
10 francs .....	.....	6.0	.....do.....	24.0	1.8
5 francs .....	.....	3.8	95% aluminum, 5% magnesium	31.0	2.5
2 francs .....	.....	2.2	.....do.....	27.0	1.9
1 franc .....	.....	1.3	.....do.....	23.0	1.7
50 centimes .....	.....	.7	.....do.....	18.0	n.a.
Total.....	2,000,200				

<sup>1</sup> 1976 coinage was produced by the French Government Mint, Paris.

\* Reeded edges: 100, 50, 20, and 10 francs. Smooth edges: 5, 2, and 1 franc pieces.

n.a. Not available.

NOTE.—French Polynesia is administratively divided into the following circumscriptions: The Windward Islands, Leeward Islands, Tuamotu group, Austral Islands, and the Marquesas Islands.

## THE GAMBIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dalasi.....	.....	28.27	925 silver.....	38.60	n.a.
Do .....	.....	28.28	500 silver.....	38.60	n.a.
1 dalasi.....	6,285	18.14	75% copper, 25% nickel.....	34.29	n.a.
50 bututs .....	6,285	11.31	.....do.....	28.50	n.a.
25 bututs .....	6,285	5.66	.....do.....	23.60	n.a.
10 bututs .....	756,285	6.20	79% copper, 20% zinc, 1% nickel.	25.91	1.63
5 bututs .....	1,406,285	3.56	97% copper, 2.5% zinc, 0.5% tin.	20.32	1.52
1 butut .....	2,006,285	1.78	.....do.....	17.15	1.14
Total.....	4,187,710				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated 1971, and included 6,285 proof sets (1 dalasi through 1 butut), except for the 2 million 1 butut pieces, which were dated 1974.

\* Reeded edges: 1 dalasi, 50 and 25 butut coins. Smooth edges: 10, 5 and 1 butut coins.

n.a. Not available.

## GERMANY, FEDERAL REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 Deutsche Mark.....	.....	15.5	625 silver, 375 copper.....	32.50	2.25
5 Deutsche Mark*.....	12,900,574	11.2	.....do.....	29.00	2.07
Do .....	64,536,121	10.0	75% copper, 25% nickel with a pure nickel core.	29.00	2.07
2 Deutsche Mark.....	33,938,951	7.0	.....do.....	26.75	1.79
1 Deutsche Mark.....	83,050,065	5.5	75% copper, 25% nickel.....	23.50	1.75
50 pfennig.....	65,939,293	3.5	.....do.....	20.00	1.58
10 pfennig.....	210,715,228	4.0	90% steel brass clad.....	21.50	1.70
5 pfennig.....	108,385,860	3.0	.....do.....	18.50	1.70
2 pfennig.....	271,751,789	2.9	90% steel copper clad.....	19.25	1.52
1 pfennig.....	491,708,474	2.0	.....do.....	16.50	1.38
Total.....	1,342,926,355				

<sup>1</sup> 1976 coinage was made by German Federal Government mints. Dates on coins vary, indicating the years in which the minting order was given.

<sup>2</sup> Includes commemorative coins. Withdrawn from circulation beginning Aug. 1, 1975.

\* Lettered edges: 10, 5, and 2 DM. Plain edge with arabesque: 1 DM. Smooth edges: 50, 10, 5, 2, and 1 Pf.



## GHANA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
New decimal series:					
20 pesewas.....	.....	11.31	75% copper, 25% nickel.....	28.50	2.00
10 pesewas.....	8,800,000	5.66	.....do.....	23.60	1.70
5 pesewas.....	17,200,000	2.83	.....do.....	19.41	1.30
2½ pesewas (12 scallops).....	.....	3.24	.....do.....	19.51	1.40
1 pesewa.....	.....	5.67	97% copper, 2.5% zinc, 0.5% tin.	25.48	1.50
½ pesewa.....	.....	2.83	.....do.....	20.19	1.20
Total.....	26,000,000				

\* Reeded edges: 20, 10, 5, and 2½ pesewas. Smooth edges: 1 and ½ pesewa.

<sup>1</sup> 1976 coinage, produced by mints in the United Kingdom, was dated 1975.

## GIBRALTAR

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pounds.....	450	31.10	916 gold.....	34.00	n.a.
50 pounds.....	450	15.52	.....do.....	27.00	n.a.
25 pounds.....	.....	7.77	.....do.....	22.00	n.a.
25 new pence.....	.....	28.28	500 silver, 500 copper.....	38.60	n.a.
Do.....	.....	28.28	75% copper, 25% nickel.....	38.60	2.79
Total.....	900				

<sup>1</sup> 1976 coinage, produced by mints in the United Kingdom, was dated 1975.

\* Milled edges.

n.a. Not available.

NOTE.—U.K. coins also circulate in Gibraltar.

## GREECE

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 drachmas.....	17,325,000	11.00	75% copper, 25% nickel.....	29.00	2.30
10 drachmas.....	22,747,500	7.50	.....do.....	26.00	1.95
5 drachmas.....	.....	9.00	.....do.....	25.00	2.45
Do .....	24,350,000	5.50	.....do.....	22.50	1.85
2 drachmas.....	23,950,000	6.00	79% copper, 20% zinc, 1% nickel.	24.00	1.95
1 drachma.....	26,450,000	4.00	.....do.....	21.00	1.70
50 lepta .....	15,406,000	2.50	.....do.....	18.00	1.45
20 lepta .....	1,032,000	1.30	95% aluminum, 5% magnesium	22.00	1.65
10 lepta.....	83,000	1.10	.....do.....	20.00	1.65
Total.....	131,343,500				

<sup>1</sup> Greek Government Mint produced 1976 coinage, which bore the year 1976.

\* Smooth edges: 10 and 5 drachmas, 20 and 10 lepta coins. Reeded edges: All other denominations except the 20 drachmas, which had lettered edge.

*Previous issues of Greek coins in circulation in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 drachmas.....	12.00	75% copper, 25% nickel .....	32.00	2.15
10 drachmas.....	10.00	.....do .....	30.00	2.00
5 drachmas.....	9.00	.....do .....	28.00	2.00
2 drachmas.....	6.00	.....do .....	24.00	1.85
1 drachma.....	4.00	.....do .....	21.00	1.50
50 lepta.....	2.30	.....do .....	18.00	1.20
5 lepta.....	.85	.....do .....	20.00	1.10

\* Smooth edges: 20 and 10 drachma, 5 lepta. Reeded edges: All other denominations.

## GREENLAND—Coins of Denmark circulate in Greenland

## GRENADA—See Caribbean Territories, Eastern Group

## GUATEMALA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 centavos.....	.....	11.00	720 silver, 280 copper.....	31.00	2.05
25 centavos.....	2,000,000	8.00	61% copper, 20% zinc, 19% nickel.	27.00	1.60
10 centavos.....	2,000,000	3.20	.....do.....	21.00	1.08
5 centavos.....	6,000,000	1.60	.....do.....	16.00	.92
2 centavos.....	.....	6.00	70% copper, 30% zinc.....	27.00	1.60
1 centavo .....	15,230,000	2.50	.....do.....	19.00	1.06
Do .....	.....	3.00	.....do.....	21.00	1.50
½ centavo.....	.....	1.50	.....do.....	16.00	1.02
Total.....	25,230,000				

<sup>1</sup> 1976 coinage, made at the Guatemalan Mint, bears the date 1976.

\* Reeded edges: 50, 10, and 5 centavos. Lettered edge: 25 centavos. Smooth edges: 2, 1, and ½ centavos.

## GUERNSEY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 new pence.....	.....	13.50	75% copper, 25% nickel.....	30.00	2.03
25 new pence.....	.....	28.28	925 silver.....	38.74	n.a.
Do.....	.....	28.28	75% copper, 25% nickel.....	38.74	n.a.
10 new pence.....	.....	11.31	.....do.....	28.50	2.03
5 new pence.....	.....	5.66	.....do.....	23.60	1.73
2 new pence.....	120,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.80
1 new penny.....	.....	3.56	.....do.....	20.32	1.52
½ new penny.....	.....	1.78	.....do.....	17.15	1.12
Total.....	120,000				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, bears the year 1971.

\* Smooth edge: 50, 2, 1, and ½ new pence coins. Milled edges: 25, 10, and 5 new pence.

n.a. Not available.

NOTE.—United Kingdom coins also circulate in Guernsey.

## GUINEA-BISSAU, REPUBLIC OF

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 escudos.....	.....	10.0	720 silver, 280 copper.....	30.0	1.5
10 escudos.....	.....	9.0	75% copper, 25% nickel.....	28.0	1.2
5 escudos.....	.....	7.0	.....do.....	24.5	2.0
2½ escudos.....	.....	3.5	.....do.....	20.0	1.3
1 escudo.....	.....	8.0	95% copper, 3% zinc, 2% tin.	26.0	2.1
Do.....	.....	7.5	.....do.....	26.8	1.6
50 centavos.....	.....	4.0	.....do.....	22.8	1.3
Do.....	.....	4.0	.....do.....	20.0	1.5
20 centavos.....	.....	1.8	.....do.....	16.0	1.2
10 centavos.....	.....	.5	97.5% aluminum, 2.5% magnesium.	22.5	1.2
5 centavos.....	.....	3.0	96% copper, 4% zinc.....	19.0	n.a.
Total.....	.....				

\*Serrated edges: 20, 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, 10, and 5 centavos.

n.a. Not available.

NOTE.—The Republic of Guinea-Bissau became independent on Sept. 10, 1974.



## GUINEA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	.....	17.00	75% copper, 25% nickel .....	34.00	n.a.
50 francs .....	.....	12.50	.....do.....	30.61	2.13
25 francs .....	.....	9.00	.....do.....	27.00	2.03
10 francs .....	.....	6.00	.....do.....	23.50	1.75
5 francs .....	.....	3.50	.....do.....	20.00	1.52
1 franc .....	.....	1.50	.....do.....	17.00	.89
Total.....	.....				

\* Incused lettered edge: 50 francs. Milled edge: 100 francs. Other edges unknown.

n.a. Not available.

## GUYANA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars <sup>2</sup> .....	1,075	5.74	500 gold .....	25.25	n.a.
50 dollars <sup>3</sup> .....	1,100	48.30	925 silver, 75 copper .....	48.00	n.a.
10 dollars <sup>4</sup> .....	850	43.40	.....do.....	45.01	n.a.
Do .....	400	37.53	75% copper, 25% nickel .....	45.01	n.a.
5 dollars <sup>5</sup> .....	850	37.76	500 silver, 500 alloy .....	42.00	n.a.
Do .....	500	35.31	75% copper, 25% nickel .....	42.00	n.a.
1 dollar .....	1,800	19.08	.....do.....	35.56	2.16
50 cents .....	3,200	7.50	.....do.....	26.00	1.85
25 cents .....	2,005,200	4.25	.....do.....	22.00	1.52
10 cents .....	1,511,200	2.75	.....do.....	18.06	1.47
5 cents .....	1,500,000	2.50	79% copper, 20% zinc, 1% nickel.	19.51	1.22
Do .....	16,200	2.50	79% copper, 20% zinc, 1% tin	19.51	1.22
1 cent .....	16,200	1.50	.....do.....	16.00	1.17
Do .....	16,000,000	1.50	79% copper, 20% zinc, 1% nickel.	16.00	1.17
Total .....	21,058,575				

<sup>1</sup> 1976 coinage: 2 million 25 cent coins, 1.5 million 10 cent pieces, and all nickel-brass 5 and 1 cent coins manufactured by the Royal Mint, London, dated 1977; remainder made by the Franklin Mint, dated 1976.

<sup>2</sup> Commemorates the 10th anniversary of Guyanan independence.

<sup>3</sup> Honors the Enmore Martyrs, five early labor organizers killed in a sugar workers' demonstration.

<sup>4</sup> Bears the portrait of Cuffy, a national hero and leader of a slave revolt in 1763.

<sup>5</sup> Honors H.N. Critchlow, organizer of Guyana's first labor union in 1922.

\* Reeded edges: \$100, \$50, \$5, \$1, 50, 25, and 10 cent coins. Smooth edges, 5 and 1-cent coins.

n.a. Not available.

## HAITI

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins:					
1,000 gourdes .....		13.10	900 gold .....	32.00	1.35
500 gourdes .....		6.55	.....do.....	25.00	1.06
200 gourdes .....		2.91	.....do.....	18.00	.86
100 gourdes .....		1.45	.....do.....	15.00	.71
50 gourdes <sup>2</sup> .....	14,000	16.75	925 silver .....	38.00	1.93
25 gourdes <sup>3</sup> .....	10,000	8.38	.....do.....	30.00	1.52
Subtotal .....	24,000				
Regular issue:					
50 centimes .....		9.88	70% copper, 18% zinc, 12% nickel.	29.00	1.90
20 centimes .....		7.50	.....do.....	26.20	1.90
Do .....		7.55	75% copper, 25% nickel .....	26.00	1.80
10 centimes .....		4.00	.....do.....	22.00	1.30
Do .....		4.00	70% copper, 18% zinc, 12% nickel.	22.70	1.40
5 centimes .....		2.65	75% copper, 25% nickel .....	20.00	1.10
Do .....		2.75	70% copper, 18% zinc, 12% nickel.	19.90	1.30
Subtotal .....					
Total .....	24,000				

<sup>1</sup> Numismatic coins, produced by the U.S. Assay Office, San Francisco, were dated 1976.

<sup>2</sup> Consists of 8,000 coins commemorating the 1976 Olympic Games and 6,000 in honor of the Holy Year.

<sup>3</sup> Commemorates Haitian participation in the Battle of Savannah in the American Revolution, 1779.

\* Smooth edges: All denominations, for regular issue. Reeded edges: All numismatic coins.

NOTE.—U.S. coins also circulate in Haiti.



Coinage of Haiti



HONDURAS

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 lempira.....	.....	12.50	900 silver, 100 copper.....	31.00	2.5
50 centavos.....	.....	5.67	75% copper, 25% nickel.....	24.00	2.0
20 centavos.....	.....	2.27	.....do.....	18.00	1.5
10 centavos.....	.....	7.00	.....do.....	26.00	2.0
5 centavos.....	.....	3.20	70% copper, 30% zinc.....	21.00	1.5
2 centavos.....	.....	3.00	95% copper, 5% tin.....	20.00	1.5
1 centavo .....	.....	1.50	.....do.....	15.00	1.0
Total.....	.....				

\*Reeded edges: 1 lempira, 50 and 20 centavos. Smooth edges: 10, 5, 2, and 1 centavos.

HONG KONG

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 dollars <sup>2</sup> .....	7,400	15.97	916 gold.....	28.40	2.00
5 dollars <sup>3</sup> .....	30,000,000	10.76	75% copper, 25% nickel.....	31.00	2.08
2 dollars <sup>4</sup> .....	.....	8.41	.....do.....	28.00	2.03
1 dollar.....	.....	11.66	.....do.....	30.00	1.85
50 cents.....	.....	5.83	.....do.....	23.60	1.60
20 cents <sup>4</sup> .....	42,000,000	2.59	79% copper, 20% zinc, 1% nickel.	19.00	1.52
10 cents.....	14,837,500	4.54	.....do.....	20.57	1.98
5 cents.....	.....	2.59	.....do.....	16.50	1.80
Total.....	86,844,900				

<sup>1</sup>The 1976 coinage was made by mints in the United Kingdom. The \$1,000 coins were dated 1977, the \$5 coins bore 1976, the 20-cent pieces were dated partially 1976 and partially 1977, while the 10-cent coins were dated 1975.

<sup>2</sup>Coins commemorate the Year of the Snake.

<sup>3</sup>10-sided coin, diameter across corners.

<sup>4</sup>12 scallops.

\*Reeded edges: 1,000 and 1 dollar coins, 50, 10, and 5-cent pieces. Smooth edges: 5 and 2 dollar and 20 cent coins.



Coinage of Hong Kong

## HUNGARY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 forint <sup>2</sup> .....	120,000	28.00	640 silver.....	37.00	3.00
100 forint.....	.....	22.00	.....do.....	37.00	2.60
50 forint.....	.....	16.00	.....do.....	34.00	2.20
10 forint.....	3,568,000	8.83	Nickel.....	28.00	1.90
5 forint.....	5,090,000	5.73	.....do.....	24.30	1.63
2 forint.....	15,000,000	4.44	"Brass 72".....	22.00	1.64
1 forint.....	15,000,000	1.40	97% aluminum, 3% magnesium.	22.80	1.80
50 fillér.....	15,130,000	1.20	.....do.....	21.50	1.60
20 fillér.....	30,010,000	.90	.....do.....	20.40	1.40
10 fillér.....	20,025,000	.60	.....do.....	18.50	1.20
5 fillér.....	50,000	.60	99.5% aluminum.....	17.00	1.36
2 fillér.....	50,000	.65	.....do.....	18.00	1.11
Total.....	104,043,000				

<sup>1</sup> 1976 coinage, produced by Állami Pénzverde, Budapest, bore the year 1976.

<sup>2</sup> Consists of four commemorative issues of 30,000 each. The first recognizes the 300th anniversary of the birth of the Hungarian nationalist leader Ferenc II Rakoci. The other three honor great Hungarian painters and graphic artists of the 19th and 20th centuries: Munkacsy Mihaly (1844-1900), Szinyei Merse (1845-1920), and Gyula Derkovits (1894-1934).

\*Smooth edges: 2 forint and 50, 10, 5, and 2 fillér pieces. Reeded edges: 1 and 5 forint and, 20 fillér coins. Pattern edges: 200, 100, 50, and 10 forint coins.

## ICELAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10,000 kronur.....	.....	15.50	900 gold.....	27.75	n.a.
1,000 kronur.....	.....	30.00	925 silver.....	39.00	n.a.
500 kronur.....	.....	20.00	.....do.....	35.00	n.a.
50 kronur.....	700,000	12.50	75% copper, 25% nickel.....	30.00	2.00
10 kronur.....	2,500,000	6.50	.....do.....	25.00	1.80
5 kronur.....	500,000	4.00	.....do.....	20.75	1.70
2 kronur.....	.....	9.50	92% copper, 6% aluminum, 2% nickel.	28.00	2.08
1 krona.....	.....	4.75	79% copper, 20% zinc, 1% nickel.	22.50	1.50
Do.....	10,000,000	.61	Aluminum.....	17.00	n.a.
Total.....	13,700,000				

<sup>1</sup> 1976 coins were struck at mints in the United Kingdom; 200,000 50 kronur, were dated 1975; all other coins were dated 1976.

\*Milled edges: 10,000, 1,000, 500, and 2 kronur, 1 krona. Smooth edges: 50, 10, and 5 kronur.

n.a. Not available.





Coinage of Hungary

## INDIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 rupees .....	.....	35.00	500 silver, 400 copper, 50 nickel, 50 zinc.	44.00	n.a.
20 rupees .....	.....	30.00	..... do.....	44.00	n.a.
10 rupees .....	.....	22.50	..... do.....	39.00	2.50
Do .....	.....	25.00	75% copper, 25% nickel.....	39.00	n.a.
1 rupee.....	161,895,000	8.00	..... do.....	28.00	2.00
50 paise.....	99,564,000	5.00	..... do.....	24.00	1.55
25 paise.....	30,016,000	2.50	..... do.....	19.00	1.20
10 paise (12 scallops) <sup>2</sup> ..	37,155,000	2.30	Aluminum with 3.5% to 4% magnesium.	26.00	2.25
5 paise (Square) <sup>3</sup> .....	87,885,000	1.50	..... do.....	( <sup>4</sup> )	2.35
2 paise (8 scallops) ....	68,140,000	1.00	..... do.....	20.00	1.75
1 paise (Square) .....	.....	.75	..... do.....	( <sup>5</sup> )	1.85
Total.....	484,655,000				

<sup>1</sup> 1976 coinage was produced at India Government Mint at Bombay. The coins for regular issue bear the year 1976.

<sup>2</sup> Includes 36,040,000 "Development oriented design" coins.

<sup>3</sup> Includes 34,680,000 "Development oriented design" coins.

<sup>4</sup> Across corners 22 mm. Across flats 19 mm.

<sup>5</sup> Across flats 14.70 mm. Between opposite corners 17 mm.

\*Serrated edges: 20 and 10 rupees, 50, and 25 paise coins. Smooth edges: Other denominations.

n.a. Not available.

*Previous issues of Indian coins in circulation in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 paise.....	5.00	Pure nickel.....	24.00	1.55
25 paise.....	2.50	..... do.....	19.00	1.30
20 paise.....	4.50	92% copper, 6% aluminum, 2% nickel.	22.00	1.85
10 paise (8 scallops) .....	4.25	..... do.....	23.00	1.75
Do .....	5.00	75% copper, 25% nickel .....	23.00	1.85
3 paise (Hexagonal) .....	1.25	Aluminum with 3.5% to 4% magnesium.....	( <sup>1</sup> )	1.95

<sup>1</sup> Across corners 21 mm. Across flats 19.55 mm.

\*Serrated edges: 50, 25, and 20 paise coins. Smooth edge: 10 and 3 paise.

## INDONESIA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins: <sup>1</sup>					
100,000 rupiah .....	145	33.44	900 gold.....	34.00	2.49
25,000 rupiah .....		61.71	....do.....	55.00	2.00
20,000 rupiah .....		49.37	....do.....	50.00	2.00
10,000 rupiah .....		24.68	....do.....	40.00	1.60
5,000 rupiah .....		12.34	....do.....	30.00	1.50
Do .....		35.00	925 silver.....	42.00	2.87
Do .....		31.65	500 silver, 500 copper.....	42.00	2.87
2,000 rupiah .....		4.90	900 gold.....	18.00	1.60
Do .....		28.28	925 silver.....	38.61	2.75
Do .....		25.31	500 silver, 500 copper.....	38.61	2.75
1,000 rupiah .....		40.00	1000 silver.....	55.00	2.10
750 rupiah.....		30.00	....do.....	45.00	2.30
500 rupiah.....		20.00	....do.....	40.00	2.00
250 rupiah.....		10.00	....do.....	30.00	1.80
200 rupiah.....		8.00	....do.....	26.00	1.90
Subtotal.....	145				
Regular issue: <sup>2</sup>					
100 rupiah.....	50,000,000	9.72	75% copper, 25% nickel.....	28.50	1.70
50 rupiah.....		6.06	....do.....	24.00	1.50
25 rupiah.....		3.52	....do.....	20.00	1.25
10 rupiah.....		1.80	....do.....	16.00	1.00
Do .....		4.00	90% steel brass clad.....	22.00	1.68
5 rupiah <sup>3</sup> .....	50,000,000	3.10	Aluminum .....	28.50	1.78
2 rupiah.....		2.29	....do.....	26.00	2.00
1 rupiah.....		1.42	....do.....	22.00	1.75
Subtotal.....	100,000,000				
Total.....	100,000,145				

<sup>1</sup> Conservation coins, part of an international series, drawing attention to endangered species of wildlife, were produced by mints in the United Kingdom and dated 1974; 10 were proof, 135 uncirculated.

<sup>2</sup> Coins for regular issue were minted by Perum Peruri. The 100 rupiah pieces were dated 1973; and the 5 rupiah coins were dated 1974.

<sup>3</sup> FAO coins bearing a symbol of the Family planning program dated 1974 (issued Apr. 22, 1974).

\*Smooth edges: Steel brass clad 10 rupiahs, 5 rupiahs, and the commemorative pieces, except the Conservation coins. Milled edges: 50, 25, and cupronickel 10 rupiahs, and all Conservation coins. Lettered edge: 100 rupiahs.



## IRAN (Year ended March 20, 1977)

Denomination	Coinage <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative: <sup>2</sup> .....					
5 pahlavi .....	16,550	40.68	900 gold, 100 silver and copper	40.00	n.a.
2½ pahlavi .....	15,800	20.34	.....do.....	30.00	n.a.
1 pahlavi .....	202,550	8.14	.....do.....	22.00	n.a.
½ pahlavi .....	152,850	4.07	.....do.....	19.00	n.a.
¼ pahlavi .....	185,850	2.03	.....do.....	16.00	n.a.
Subtotal .....	573,600				
Regular issues:					
20 rials .....	18,332,000	9.00	75% copper, 25% nickel .....	31.00	n.a.
10 rials .....	29,859,000	7.00	.....do.....	28.00	n.a.
5 rials .....	37,144,000	4.60	.....do.....	25.00	n.a.
2 rials .....	59,568,050	3.00	.....do.....	22.50	n.a.
1 rial .....	61,945,000	1.75	.....do.....	18.50	n.a.
50 dinars .....	26,750	2.50	91.5% copper, 8.5% aluminum	20.00	n.a.
Subtotal .....	206,874,800				
Total .....	207,448,400				

<sup>1</sup> Coinage, bearing the date 2535 in Arabic, was made by the Mint of the Central Bank of Iran. See note.

<sup>2</sup> Struck by the Central Bank of Iran for Bank Melli Iran for sale to the public.

\*Serrated edges: All denominations.

n.a. Not available.

NOTE.—In 1976 Iran adopted the Monarchic calendar based on the origin of the Persian monarchy under Cyrus the Great, replacing the Solar Hegira calendar. The first coins of Iran dated under this revision are for the year 2535, which began on Mar. 1, 1976, and are reported in this table.

## IRAQ

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dinars .....		13.57	916.6 gold .....	28.40	n.a.
1 dinar .....		31.00	500 silver, 400 copper, 50 nickel, 50 zinc.	40.00	3.10
250 fils .....		15.00	Pure nickel .....	33.00	n.a.
100 fils .....		10.00	500 silver, 400 copper, 50 nickel, 50 zinc.	29.00	n.a.
Do .....		11.00	75% copper, 25% nickel .....	29.00	n.a.
50 fils .....		5.50	.....do.....	23.00	1.73
25 fils .....		2.27	.....do.....	20.00	1.24
10 fils .....		6.75	.....do.....	26.00	n.a.
Do .....	36,600,000	5.75	Stainless iron, 13% chromium .	26.00	n.a.
5 fils <sup>2</sup> .....		5.00	75% copper, 25% nickel .....	22.00	n.a.
Do .....	49,400,000	4.00	Stainless iron, 13% chromium .	22.00	n.a.
1 fils <sup>3</sup> .....		2.50	95.5% copper, 3% tin, 1.5% zinc.	19.00	n.a.
Total .....	86,000,000				

<sup>1</sup> 1976 coinage was produced by mints in the United Kingdom. The coins bore the dates 1395–1975.

<sup>2</sup> Coins have 12 scallops.

<sup>3</sup> Coin is 10-sided. Diameter, inside measurement.

\*Incuse lettered: 100 fils. Milled edges: 5 and 1 dinars, 50, 25, and 10 fils. Smooth edges: 1 fils and cupronickel 10 and 5 fils coins.

n.a. Not available.



Coinage of Iran

## IRELAND, REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Decimal coins:					
50 new pence (7 sided).	2,500,000	13.50	75% copper, 25% nickel.....	30.00	2.50
10 new pence.....	15,000,000	11.31	.....do.....	28.50	2.23
5 new pence.....	.....	5.66	.....do.....	23.60	1.73
2 new pence.....	15,000,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.78
1 new penny.....	.....	3.56	.....do.....	20.32	1.50
½ new penny.....	500,000	1.78	.....do.....	17.15	1.09
Total.....	33,000,000				

<sup>1</sup> 1976 coinage, produced by Royal Mint, Llantrisant, United Kingdom, bore the year 1975, except for 1.5 million of the 50 pence which were dated 1976.

\*Milled edges: 5 and 10 pence coins. Smooth edges: 50, 2, 1, and ½ pence coins.

## ISLE OF MAN

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Crown.....	.....	28.28	925 silver, 75 copper.....	38.61	n.a.
Do.....	.....	28.28	75% copper, 25% nickel.....	38.61	n.a.
50 new pence <sup>1</sup> .....	.....	13.50	.....do.....	30.00	n.a.
10 new pence.....	.....	11.37	.....do.....	28.50	n.a.
5 new pence.....	.....	5.66	.....do.....	23.60	n.a.
2 new pence.....	.....	7.13	97% copper, 2.5% zinc, 0.5% nickel.	25.91	n.a.
1 new penny.....	.....	3.56	.....do.....	20.32	n.a.
½ new penny.....	.....	1.78	.....do.....	17.15	n.a.
Total.....	.....				

<sup>1</sup> Seven-sided coin.

\*Milled edges: 1 crown, 10, and 5 pence coins. Smooth edges: 50, 2, 1, and half new pence pieces.

n.a. Not available.

NOTE.—British coins are in general circulation on the Isle of Man. The new pence coins were placed in circulation in October 1971.



## ISRAEL

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins:					
500 pounds.....		28.00	900 gold, 100 copper.....	35.00	2.15
Do.....		20.00	900 gold, 100 copper.....	30.00	n.a.
200 pounds.....		27.00	.....do.....	33.00	n.a.
100 pounds.....		13.50	.....do.....	27.00	n.a.
50 pounds.....		7.00	.....do.....	22.00	n.a.
25 pounds.....		26.00	935 silver, 65 copper.....	37.00	3.25
Do <sup>1</sup> .....	120,000	26.00	900 silver, 100 copper.....	37.00	3.25
Do.....		30.00	800 silver, 200 copper.....	40.00	3.25
20 pounds.....		7.99	900 gold, 100 copper.....	22.00	1.60
10 pounds.....		26.00	935 silver, 65 copper.....	36.70	3.00
Do.....		26.00	900 silver, 100 copper.....	36.70	3.25
Do <sup>2</sup> .....	45,000	20.00	500 silver, 500 copper.....	34.00	3.25
Do.....		22.00	Gold 900/1,000.....	30.00	3.25
5 pounds.....		20.00	750 silver, 250 copper.....	34.00	n.a.
1 pound.....		14.10	75% copper, 25% nickel.....	32.20	2.40
½ pound.....		12.00	.....do.....	29.50	2.40
Subtotal.....	165,000				
Trade coins: <sup>3</sup>					
1 pound.....	10,364,000	9.00	75% copper, 25% nickel.....	27.50	2.20
½ pound.....	1,833,000	6.80	.....do.....	24.50	2.00
25 agorot.....	1,215,000	6.50	92% copper, 6% aluminum, 2% nickel.	25.50	1.90
10 agorot.....	48,716,006	4.20	.....do.....	21.50	1.80
5 agorot.....		2.32	.....do.....	17.50	1.50
Do.....	13,896,000	.75	97% aluminum, 3% magnesium	17.50	1.50
1 agora.....	6,496,000	1.03	.....do.....	20.00	1.35
Subtotal.....	82,520,006				
Grand total.....	82,685,006				

<sup>1</sup> Consisted of the following commemorative coins made by the Israel Government Mint, Jerusalem: 75,000 in honor of the 28th anniversary of Israeli independence (35,000 proof coins marked "Mem" and 40,000 uncirculated coins marked with the Star of David) and 45,000 Pidyon HaBen coins (20,000 proof coins marked "Mem" and 25,000 uncirculated coins marked with the Star of David).

<sup>2</sup> American Hanukka coins produced by the Israel Mint consisted of 20,000 proof coins marked "Mem" and 25,000 uncirculated coins marked with the Star of David.

<sup>3</sup> Trade coins were produced by the Israeli Mint with the exception of 20,000,006 10 agorot which were made by the Royal Canadian Mint.

\*Smooth edges: Nonproof commemorative 50, 25, and 10 pounds, 25, 10, and 5 agorot coins. Milled edges: 500, 200, 100, 50, 10, and 5 pound proofs, 25 pound Pidyon HaBen proof, and ½ pound trade coin. Alternating milled and plain edges: 1 pound trade coins. The 1 agora has 12 scallops.

n.a. Not available.

## ITALY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 lire .....	.....	14.60	"Lega argento" (835 silver, 165 copper).	31.4	2.10
500 lire.....	.....	11.00	.....do.....	29.0	2.10
100 lire.....	160,020,000	8.00	"Acmonital" (Steel containing 18% chrome).	27.8	2.00
50 lire.....	180,600,000	6.25	.....do.....	24.8	2.00
20 lire.....	17,325,000	3.60	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	21.3	1.50
10 lire.....	83,550,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.3	1.65
5 lire.....	9,000,000	1.00	.....do.....	20.2	1.40
2 lire.....	.....	.800	.....do.....	18.3	1.45
1 lira.....	.....	.625	.....do.....	17.2	1.20
Total.....	450,495,000				

<sup>1</sup> 1976 coinage, made by the Italian Government Mint, was dated 1976.

\*Lettered edges: 1,000 and 500 lire. Serrated edges: 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lira coins.

NOTE.—Coins of Italy circulate in San Marino, concurrently with new San Marino coinage.

**IVORY COAST, REPUBLIC OF—See Africa, West—Etats de l'Afrique  
Occidentale**

**JAMAICA**

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
Decimal:	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 dollars .....	.....	15.75	500 gold .....	27.10	n.a.
1 dollar .....	.....	28.28	75% copper, 25% nickel .....	38.61	n.a.
50 cents .....	4,400,000	12.48	.....do.....	30.00	n.a.
25 cents .....	3,000,000	14.14	.....do.....	32.31	1.93
20 cents .....	.....	11.31	.....do.....	28.50	2.03
10 cents .....	10,000,000	5.65	.....do.....	23.60	1.45
5 cents .....	2,600,000	2.82	.....do.....	19.40	1.09
1 cent .....	.....	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.35
Do .....	2,048,000	1.22	Aluminum .....	21.08	n.a.
Total .....	22,048,000				

<sup>1</sup> Coins made by mints in the United Kingdom. 8 million of the 10-cent coins and 1.6 million of the 5-cent coins were dated 1977; the 25-cent pieces were dated 1976; all other coins were dated 1975.

\*Reeded edges: \$1, 25, 20, 10, and 5 cents. Smooth edges: 50 and 1 cent coins.

n.a. Not available.

**JAPAN**

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 yen .....	322,840,000	4.80	75% copper, 25% nickel .....	22.60	1.70
Do <sup>2</sup> .....	70,000,000	12.00	.....do.....	30.00	2.40
50 yen .....	241,880,000	4.00	.....do.....	<sup>3</sup> 21.00	1.75
10 yen .....	1,369,740,000	4.50	95% copper, 4%-3% zinc, 1%-2% tin.	23.50	1.50
5 yen .....	200,000,000	3.75	60%-70% copper, 40%-30% zinc.	<sup>4</sup> 22.00	1.50
1 yen .....	928,850,000	1.00	Pure aluminum .....	20.00	1.50
Total .....	3,133,310,000				

<sup>1</sup> The 1976 coinage, made by the Japanese Government Mint bears the date 51<sup>st</sup> year of the Showa.

<sup>2</sup> Commemorating Emperor Hirohito's 50th year on the throne.

<sup>3</sup> With central hole 4 mm. in diameter.

<sup>4</sup> With central hole 5 mm. in diameter.

\*Milled edges: 100 and 50 yen. Smooth edges: 10, 5, and 1 yen coins.

*Previous issues of Japanese coins outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 yen (Commemorative) .....	20.00	925 silver, 75 copper .....	35.00	2.50
100 yen .....	4.80	600 silver, 300 copper, 100 zinc ...	22.60	1.70
Do .....	9.00	75% copper, 25% nickel .....	28.00	2.00
Do .....	12.00	.....do.....	30.00	2.38
50 yen .....	5.50	Pure nickel .....	25.00	1.60
Do .....	5.00	.....do.....	<sup>1</sup> 25.00	1.60
10 yen .....	4.50	95% copper, 4%-3% zinc, 1%-2% tin.	23.50	1.50
5 yen .....	4.00	60%-70% copper, 40%-30% zinc	<sup>2</sup> 22.00	1.64

<sup>1</sup> With central hole 6 mm. in diameter.

<sup>2</sup> With central hole 5 mm. in diameter.

\*Milled edges: 1,000 and 100 yen; 50 yen of 5.5 gram weight; 10 yen and 5 yen. Smooth edges: 50 yen of 5 gram weight.





Coinage of Japan

## JERSEY

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 new pence .....	.....	13.50	75% copper, 25% nickel.....	30.00	2.29
10 new pence .....	.....	11.31	.....do.....	28.50	2.31
5 new pence .....	.....	5.66	.....do.....	23.60	1.72
2 new pence .....	.....	7.12	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.55
1 new penny .....	.....	3.56	.....do.....	20.32	1.27
½ new penny .....	.....	1.75	.....do.....	17.15	.89
Total.....	.....				

\*Smooth edges: 50, 2, 1, and ½ pence pieces. Milled edges: 10 and 5 pence coins.

NOTE.—United Kingdom coins also circulate in Jersey.

## JORDAN

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 fils .....	.....	17.00	75% copper, 25% nickel.....	34.00	2.40
100 fils .....	.....	12.00	.....do.....	30.00	2.20
50 fils .....	.....	7.50	.....do.....	26.00	1.90
25 fils .....	.....	4.75	.....do.....	22.00	1.70
20 fils .....	.....	3.75	.....do.....	20.00	1.60
10 fils .....	.....	10.00	97% copper, 2.5% zinc, 0.5% tin.	28.00	2.20
Do .....	.....	10.00	95.5% copper, 3% tin, 1.5% zinc.	28.00	2.20
5 fils .....	.....	6.00	.....do.....	24.00	1.80
Do .....	.....	6.00	97% copper, 2.5% zinc, 0.5% tin.	24.00	1.80
1 fil .....	.....	3.00	.....do.....	18.00	1.60
Do .....	.....	3.00	95.5% copper, 3% tin, 1.5% zinc.	18.00	1.60
Total .....	.....				

\*Milled edges: 250, 100, 50, 25, and 20 fils. Smooth edges: 10, 5, and 1 fils.

## KENYA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 shillings .....	.....	13.90	92% copper, 6% aluminum, 2% nickel.	33.00	n.a.
2 shillings .....	.....	14.14	75% copper, 25% nickel.....	32.30	2.26
1 shilling .....	8,000,000	7.78	.....do.....	27.74	1.45
50 cents .....	8,000,000	3.89	.....do.....	20.96	1.32
25 cents .....	.....	2.59	.....do.....	18.06	1.35
10 cents .....	3,000,000	9.45	79% copper, 20% zinc, 1% nickel.	30.86	1.47
5 cents .....	6,000,000	5.67	.....do.....	25.48	1.30
Total.....	25,000,000				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated 1975.

\*Milled edges: 2 shillings, 1 shilling, 50 and 25 cents. Smooth edges: 5 shillings and 10 and 5 cents.

n.a. Not available.

## KOREA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 won.....	.....	5.42	75% copper, 25% nickel.....	24.00	n.a.
Do.....	.....	12.00	.....do.....	30.00	n.a.
50 won.....	.....	4.16	70% copper, 18% zinc, 12% nickel.	21.60	n.a.
10 won.....	.....	4.06	65% copper, 35% zinc.....	22.86	n.a.
5 won.....	.....	2.95	.....do.....	20.40	n.a.
1 won.....	20,000,000	.73	Pure aluminum.....	17.20	1.39
Total.....	20,000,000				

<sup>1</sup> 1976 coinage, made by Kyeongsan Mint, was dated 1976.

\*Smooth edges: 10, 5, and 1 won coins. Reeded edges: 100 and 50 won.

n.a. Not available.

## KUWAIT

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2 dinars <sup>2</sup> .....	20,000	28.28	925 silver, 75 nickel.....	38.60	n.a.
Do <sup>2</sup> .....	15,000	28.28	500 silver, 400 copper, 50 nickel, 50 zinc.	38.60	n.a.
100 fils.....	2,400,000	6.50	75% copper, 25% nickel.....	26.0	1.68
50 fils.....	3,000,000	4.50	.....do.....	23.0	1.47
20 fils.....	4,000,000	3.00	.....do.....	20.0	1.32
10 fils.....	4,000,000	3.75	79% copper, 20% zinc, 1% tin	21.0	1.52
5 fils.....	5,200,000	2.50	.....do.....	19.5	1.22
1 fil.....	2,500,000	2.00	.....do.....	17.0	n.a.
Total.....	21,135,000				

<sup>1</sup> The 1976 coinage was made by mints in the United Kingdom. The dates on the coins were 1396-1976, except for the 2 dinars which were dated 1961-1976.

<sup>2</sup> Coins commemorating the 15th anniversary of Kuwaiti Independence. The 925 silver coins were proof, the 500 parts silver pieces were uncirculated coins.

\*Milled edges: 2 dinars, 100, 50, and 20 fils. Smooth edges: 10, 5, and 1 fils.

n.a. Not available.

NOTE.—The Kuwaiti Dinar is divided into 1,000 fils.



LAOS—No metallic coins have been in circulation in Laos since 1958

LEBANON

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 livre (pound) .....	.....	9.50	Pure nickel .....	28.00	n.a.
50 piastres .....	.....	6.00	.....do.....	24.00	1.75
25 piastres .....	.....	4.00	92% copper, 6% aluminum, 2% nickel.	23.50	n.a.
10 piastres .....	.....	3.20	.....do.....	21.00	n.a.
5 piastres .....	.....	2.20	.....do.....	18.00	n.a.
Total .....	.....				

\*Milled edges: All denominations.  
n.a. Not available.

LESOTHO—Coins of the Republic of South Africa circulate in Lesotho

LIBERIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 dollars .....	.....	23.31	910 silver, 90 copper .....	30.20	2.30
5 dollars .....	.....	35.64	900 silver, 100 copper .....	42.00	3.12
1 dollar .....	2,001,100	17.94	75% copper, 25% nickel .....	34.00	2.74
50 cents .....	1,001,100	8.97	.....do.....	29.00	1.91
25 cents .....	801,100	4.49	.....do.....	23.00	1.50
10 cents .....	1,000	1.79	.....do.....	16.99	1.17
5 cents .....	1,000	4.15	.....do.....	19.99	1.73
1 cent .....	1,000	2.59	95% copper, 5% zinc .....	17.91	1.40
Total .....	3,806,300				

<sup>1</sup> All but 1,000 coins of each denomination were manufactured by mints in the United Kingdom and dated 1976. Includes 100 proof \$1, 50, and 25 cent coins. In addition, the following 900 fine gold commemorative coins with reeded edges were manufactured in honor of the inauguration of President W. R. Tolbert, Jr.:

Denomination	Number of pieces	Gross weight in grams	Diameter in mm.
400 dollars .....	25 .....	24.00 .....	29.00
200 dollars .....	100 .....	12.00 .....	24.00
100 dollars .....	175 .....	6.00 .....	21.00

The other 1,000 coins of each denomination were manufactured by the U.S. Assay Office, San Francisco. These 1975-dated coins comprised 6-coin proof sets.

\*Reeded edges: 5 and 1 dollars, 50, 25, and 10 cent coins. Smooth edges: 5 and 1 cent coins.  
NOTE.—Minor amounts of U.S. coins circulate in Liberia.

## LIBYA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dirhams .....	.....	8.00	75% copper, 25% nickel .....	27.00	n.a.
50 dirhams (scalloped) .....	9,660,000	6.30	.....do.....	25.00	n.a.
20 dirhams .....	.....	5.50	Cupronickel clad steel .....	24.00	n.a.
10 dirhams .....	7,000,000	3.00	.....do.....	20.00	n.a.
5 dirhams .....	17,500,000	2.50	Brass clad steel .....	18.50	n.a.
1 dirham .....	17,500,000	1.75	.....do.....	16.00	n.a.
Total .....	51,660,000				

<sup>1</sup> Coins, produced by mints in the United Kingdom, were dated 1975.

\* Reeded edges: 100, 10, and 1 dirhams. Smooth edges: 50, 20, and 5 dirhams.

n.a. Not available.

NOTE.—The name of the pound was changed to the Libyan dinar, with units of dirhams, on Sept. 1, 1971.

*Previous issues of Libyan coins in circulation in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 milliemmes .....	11.00	75% copper, 25% nickel .....	30.00	2.0
50 milliemmes .....	7.00	.....do.....	( <sup>1</sup> )	1.8
20 milliemmes .....	6.00	.....do.....	24.00	1.8
10 milliemmes .....	3.25	.....do.....	20.00	1.5
5 milliemmes .....	2.50	79% copper, 20% zinc, 1% nickel.	( <sup>2</sup> )	1.2
1 millieme .....	1.75	.....do.....	16.00	1.0

<sup>1</sup> Twelve scallops, measuring 26.0 mm. across scallops, and 24.3 mm. inside scallops.

<sup>2</sup> Twelve scallops, measuring 20.0 mm. across scallops, and 18.7 mm. inside scallops.

\* Milled edges: 100, and 10 milliemmes. Smooth edges: 50, 20, 5, and 1 millieme coins.

n.a. Not available.

NOTE.—The name of the pound was changed to the Libyan dinar, with units of dirhams, on Sept. 1, 1971.

## LIECHTENSTEIN—Coins of Switzerland circulate in Liechtenstein

## LUXEMBOURG

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 francs .....	.....	25.00	835 silver, 165 copper .....	37	2.30
100 francs .....	.....	18.00	.....do.....	33	2.05
10 francs .....	.....	8.00	Pure nickel .....	27	2.00
5 francs .....	.....	6.00	75% copper, 25% nickel .....	24	1.75
1 franc .....	2,000,000	4.00	.....do.....	21	1.51
25 centimes .....	.....	.76	97% aluminum, 3% magnesium	19	1.00
Total .....	2,000,000				

<sup>1</sup> 1976 coinage made by Belgian Government Mint, Brussels, was dated 1976.

\* Milled edges: 250, 100, 5, and 1 franc coins. Smooth edges: 10 francs and 25 centimes.

NOTE.—Belgian coins also circulate in Luxembourg.



Coinage of Luxembourg



MACAO

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 patacas .....	.....	18.00	650 silver, 350 copper.....	35.00	2.28
5 patacas .....	.....	10.00	.....do.....	30.00	2.50
1 pataca .....	.....	3.00	.....do.....	19.00	1.10
Do .....	130,000	10.60	Pure nickel.....	28.50	2.10
50 avos .....	.....	5.90	75% copper, 25% nickel.....	23.60	1.83
10 avos .....	.....	4.00	95% copper, 3% zinc, 2% tin.	22.00	1.20
Do .....	10,209,852	4.00	79% copper, 20% zinc, 1% nickel.	22.00	1.20
5 avos .....	.....	2.00	95% copper, 3% zinc, 2% tin.	17.00	1.10
Do .....	.....	2.60	79% copper, 20% zinc, 1% nickel.	17.00	1.50
Total.....	10,339,852				

<sup>1</sup> 1976 coinage, made by the Portuguese Government Mint. The 1 pataca coins bore the year 1972; the 10 avos were dated partially 1975 and partially 1976.

\*Serrated edges: 20, 5 patacas, 1 pataca (silver), and 50 avos. Smooth edges: 1 pataca (nickel), 10, and 5 avos.

MADEIRA ISLANDS—Coins of Portugal circulate in Madeira Islands

## MADAGASCAR, DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 francs .....	.....	6.00	92% copper, 6% aluminum, 2% nickel.	24.50	1.70
Do .....	.....	4.00	91% copper, 9% aluminum ....	23.50	1.70
10 francs .....	.....	3.00	.....do.....	20.00	1.70
Do .....	.....	3.50	92% copper, 6% aluminum, 2% nickel.	21.00	1.70
5 francs .....	2,400,000	5.00	Stainless steel.....	22.00	2.00
Do .....	.....	3.50	95% aluminum, 5% magnesium	31.00	2.30
2 francs .....	2,000,000	3.40	Stainless steel.....	19.00	1.88
Do .....	.....	2.20	95% aluminum, 5% magnesium	27.00	1.90
1 franc .....	.....	2.40	Stainless steel.....	17.00	1.66
Do .....	.....	1.30	95% aluminum, 5% magnesium	23.00	1.40
Total.....	4,400,000				

<sup>1</sup> 1976 coins were manufactured by French Government Mint, Paris. Dates reflect the year in which the minting order was given.

\*Smooth edges.

## MALAWI

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 kwacha .....	.....	28.87	925 silver.....	38.60	n.a.
Do <sup>2</sup> .....	6,870	49.09	916 gold.....	38.60	n.a.
1 kwacha .....	.....	28.28	75% copper, 25% nickel.....	38.70	n.a.
20 tambala .....	.....	11.31	.....do.....	28.50	2.31
10 tambala .....	.....	5.66	.....do.....	23.60	1.45
5 tambala .....	.....	2.83	.....do.....	19.40	1.40
2 tambala .....	5,000,000	3.56	97% copper, 2.5% nickel, 0.5% zinc.	20.30	n.a.
1 tambala .....	10,000,000	1.78	.....do.....	17.20	n.a.
Total .....	15,006,870				

<sup>1</sup> 1976 coinage, produced by the Royal Mint, London.

<sup>2</sup> Coins believed to mark the 10th anniversary of the National Bank, dated 1965-1975.

\*Smooth edges: 2 and 1 tambala. Reeded edges: 10 kwacha, 20, 10, and 5 tambala. Incuse-lettered edge: 1 kwacha. n.a. Not available.

## MALAYSIA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative: <sup>1</sup>					
500 ringgit <sup>2</sup> .....	3,101	33.44	900 gold .....	34.00	2.49
250 ringgit <sup>3</sup> .....	38,000	10.28	.....do .....	26.16	1.55
200 ringgit (14 sided) <sup>4</sup> .....	53,500	7.43	.....do .....	25.25	1.35
25 ringgit <sup>3</sup> .....	108,000	35.00	925 silver .....	42.00	3.22
Do <sup>2</sup> .....	44,515	35.00	.....do .....	42.00	2.87
15 ringgit <sup>2</sup> .....	43,590	28.28	.....do .....	38.61	2.75
10 ringgit (14 sided) <sup>4</sup> .....	210,700	10.82	.....do .....	27.70	2.31
5 ringgit .....	.....	29.03	75% copper, 25% nickel .....	38.00	3.20
1 ringgit <sup>5</sup> .....	508,000	16.85	.....do .....	33.35	2.41
Do (14 sided) <sup>6</sup> .....	603,100	16.85	.....do .....	33.35	2.41
Subtotal .....	1,612,506				
Regular issue: <sup>7</sup>					
50 sen .....	15,267,900	9.33	75% copper, 25% nickel .....	27.76	2.16
20 sen .....	68,939,454	5.66	.....do .....	23.60	1.70
10 sen .....	151,147,017	2.83	.....do .....	19.41	1.35
5 sen .....	62,198,853	1.41	.....do .....	16.26	.97
1 sen .....	25,178,955	1.94	97% copper, 2.5% zinc, 0.5% tin.	17.78	1.12
Subtotal .....	322,732,179				
Total .....	324,344,685				

<sup>1</sup> All commemorative coins bore the date 1976.

<sup>2</sup> Part of the World Wildlife Conservation series, drawing attention to endangered species of wildlife, produced by Royal Mint, London.

<sup>3</sup> Coins commemorating the 25th anniversary of the Employees Provident Fund were produced by the Franklin Mint, a private mint in the United States, and included 8,000 proof coins of each denomination.

<sup>4</sup> Coins commemorating the Third Malaysian Plan for economic development, produced by the Franklin Mint, included 3,500 proof 200 ringgit and 10,700 proof 10 ringgit.

<sup>5</sup> Coins commemorating the Employees Provident Fund include 500,000 produced by Kilang Wang (Malaysian Mint) with lettered edges and 8,000 proof coins made by the Franklin Mint with reeded edges.

<sup>6</sup> Coins commemorating the Third Malaysian Plan included 585,400 produced by Kilang Wang and 17,700 proof coins made by the Franklin Mint.

<sup>7</sup> Coins for regular issue were produced by Kilang Wang. The 50 sen, 7,409,454 20 sen, and 1,791,991 10 sen were dated 1975; all others bore the year 1976.

\*Smooth edges: All 14-sided coins designated in denomination column and 1 sen coins. Reeded edges: \$500, \$250, \$25, \$15, 50, 20, 10, and 5 sen coins.

NOTE.—The basic currency unit was changed from the dollar to ringgit, with fractional unit becoming the sen. The symbols for the monetary units remained the same.



## MALDIVE REPUBLIC

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 laris .....	.....	5.66	79% copper, 20% zinc, 1% nickel.	23.60	n.a.
25 laris .....	.....	4.15	.....do.....	20.19	n.a.
10 laris .....	.....	5.18	.....do.....	( <sup>1</sup> )	n.a.
5 laris .....	.....	2.59	.....do.....	( <sup>2</sup> )	n.a.
2 laris .....	.....	3.24	97% copper, 2.5% zinc, 0.5% tin.	( <sup>3</sup> )	n.a.
1 lari .....	.....	1.50	.....do.....	15.01	n.a.
Total .....	.....				

<sup>1</sup> Twelve scallops, measuring 23.1 mm. across scallops, 21.6 mm. inside scallops.

<sup>2</sup> Eight scallops, measuring 20.3 mm. across scallops, 17.8 mm. inside scallops.

<sup>3</sup> Square coin with rounded corners, 18.2 mm. across flats, 21.5 mm. across diagonals.

\*Security edges: 50 and 25 laris. Smooth edges: 10, 5, 2, and 1 lari coins.

n.a. Not available.

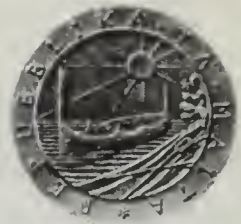
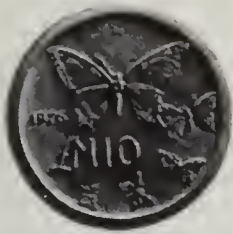
## MALI

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	.....	8.00	92% copper, 6% aluminum, 2% nickel.	27.80	n.a.
50 francs .....	.....	4.00	.....do.....	23.50	n.a.
25 francs .....	.....	2.50	Aluminum with approximately 2.8% magnesium and 0.35% manganese.	27.00	1.60
Do .....	5,000,000	2.55	95% aluminum, 5% manganese	27.00	n.a.
10 francs .....	10,000,000	1.55	.....do.....	23.50	n.a.
Do .....	.....	1.50	Aluminum with approximately 2.8% magnesium, and 0.35% manganese.	23.50	1.60
5 francs .....	.....	1.00	.....do.....	20.00	1.70
Total .....	15,000,000				

<sup>1</sup> 1976 coinage, made by the French Government Mint, Paris, was dated 1976.

n.a. Not available.

\*Smooth edge: 50 francs, 2.55 gr. 25 franc, and 1.55 gr. 10 franc coins. Reeded edges: All other denominations.



Coinage of Malta

## MALTA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins: <sup>1</sup>					
50 pounds.....	n.a.	15.00	916 gold.....	28.00	n.a.
20 pounds.....	n.a.	6.00	.....do.....	22.00	n.a.
10 pounds.....	n.a.	3.00	.....do.....	19.00	n.a.
4 pounds.....	n.a.	20.00	987 silver.....	38.00	n.a.
2 pounds.....	n.a.	10.00	.....do.....	32.00	n.a.
Subtotal.....	n.a.				
Regular issue: <sup>2</sup>					
50 cents.....		13.60	75% copper, 25% nickel.....	31.19	n.a.
25 cents.....	500,000	10.48	79% copper, 20% zinc, 1% nickel.	28.17	n.a.
10 cents.....		11.31	75% copper, 25% nickel.....	28.50	n.a.
5 cents.....		5.65	.....do.....	23.60	n.a.
2 cents.....	1,000,000	2.26	.....do.....	17.78	n.a.
1 cent.....	1,500,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	n.a.
5 mils.....		2.11	Aluminum.....	26.00	n.a.
3 mils.....		1.45	.....do.....	23.11	n.a.
2 mils.....		.95	.....do.....	20.31	n.a.
Subtotal.....	3,000,000				
Total.....	3,000,000				

<sup>1</sup> Numismatic coins, dated 1976, were manufactured by the Order of Malta Mint, Rome. The reverses of these coins display the Coat of Arms of the Republic of Malta. The £M2 commemorates the Maltese author and politician, Ellul Mercer, and bears 1897-1961, the years of his birth and death. The obverses of the other four numismatic coins depict: Fort Manoel Gate on the £M4, a swallow-tail butterfly on the £M10, a storm petrel on the £M20, and an ornamental Maltese door knocker, on the £M50 coin.

<sup>2</sup> Coins for regular issue were produced by mints in the United Kingdom. The 25 and 1 cent coins were dated 1975; the 2 cent coins bore 1976.

\*Smooth edges: 50 cent pieces and 5, 3, and 2 mils. Milled edges: 10, 5, 2, and 1 cent coins and all numismatic coins.  
n.a. Not available.



## MARQUEZAS ISLANDS—See French Polynesia

## MAURITANIA, ISLAMIC REPUBLIC OF

## MAURITIUS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 rupees <sup>2</sup> .....	312	33.43	900 gold, 100 silver .....	34.00	2.49
200 rupees .....		15.56	916.6 gold .....	27.76	n.a.
50 rupees <sup>2</sup> .....	1,420	35.00	925 silver .....	42.00	2.87
Do <sup>2</sup> .....		31.65	500 silver, 500 copper .....	42.00	2.87
25 rupees <sup>2</sup> .....	100	28.28	925 silver .....	38.61	2.75
Do <sup>2</sup> .....		25.31	500 silver, 500 copper .....	38.61	2.75
1 rupee .....	1,650,000	11.66	75% copper, 25% nickel .....	30.00	2.44
50 cents .....	480,000	5.83	..... do .....	23.60	n.a.
25 cents .....	2,040,000	2.91	..... do .....	19.00	n.a.
10 cents (12 scallops)	2,650,000	5.18	..... do .....	23.50	1.75
5 cents .....		9.72	95.5% copper, 3% tin, 1.5% zinc.	28.40	1.70
Do .....	2,800,000	9.72	97% copper, 2.5% zinc, 0.5% nickel.	28.40	1.70
2 cents .....	1,200,000	3.89	..... do .....	23.10	1.02
Do .....		3.89	95.5% copper, 3% tin, 1.5% zinc.	23.10	1.02
1 cent .....		1.94	..... do .....	17.80	.91
Do .....		1.94	97% copper, 2.5% zinc, 0.5% nickel.	17.80	.91
Total .....	10,821,832				

<sup>1</sup> Coins, made by mints in the United Kingdom, were dated 1975.<sup>2</sup> Believed to be part of the World Wildlife Conservation Series, calling attention to endangered species of wildlife.

\*Smooth edges: 10, 5, 2, and 1 cent coins. Milled edges: 1,000, 200, 50, and 25 rupees and 25 cents. Security edges: 1 rupee and 50 cents.

n.a. Not available.

## MEXICO

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 pesos .....	.....	22.50	720 silver, 280 copper .....	38.00	2.56
10 pesos <sup>2</sup> .....	74,500,000	10.00	75% copper, 25% nickel .....	30.50	n.a.
5 pesos .....	147,671,000	14.00	.....do.....	33.00	2.22
1 peso .....	94,489,000	9.00	.....do.....	29.00	1.91
50 centavos.....	66,180,000	6.50	.....do.....	25.00	1.83
20 centavos.....	394,000,000	3.00	.....do.....	20.00	1.36
Do .....	.....	10.00	95% copper, 5% zinc .....	28.50	2.18
10 centavos.....	7,680,000	1.50	75% copper, 25% nickel .....	15.00	1.16
5 centavos.....	367,524,000	2.75	85% copper, 15% zinc .....	18.00	1.45
Do .....	.....	2.75	95% copper, 5% zinc .....	18.00	1.45
1 centavo .....	.....	1.50	.....do.....	13.00	1.48
Total .....	1,152,044,000				

<sup>1</sup> Made by the Mexican Government Mints. Coins were dated 1976.

<sup>2</sup> Seven-sided coin.

\*Milled edges: 1 peso, cupronickel 50, 20, and 10 centavos. Smooth edges: 10 pesos, 20, 5, and 1 centavo coins. Lettered edge: 25 and 5 pesos coins.

n.a. Not available.

## MONACO

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 francs .....	.....	25.0	900 silver, 100 copper .....	37.0	n.a.
5 francs .....	.....	12.0	835 silver, 165 copper .....	29.0	2.10
1 franc .....	.....	6.0	Pure nickel .....	24.0	1.90
½ franc .....	.....	4.5	.....do.....	19.5	2.10
50 centimes.....	.....	7.0	92% copper, 6% aluminum, 2% nickel.	25.0	n.a.
20 centimes.....	.....	4.0	.....do.....	23.5	1.50
10 centimes.....	.....	3.0	.....do.....	20.0	1.50

\*Reeded edges: 10, 5, 1, and ½ franc coins. Smooth edges: 50, 20, and 10 centimes.

n.a. Not available.

NOTE.—French coins also circulate in Monaco.

## MONGOLIAN PEOPLE'S REPUBLIC

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
750 tukhrik .....	751	33.44	900 gold .....	34.00	2.49
50 tukhrik .....	3,500	35.00	925 silver .....	42.00	2.87
25 tukhrik .....	3,500	28.28	.....do.....	38.61	2.75
Total .....	7,751				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1976. Coins were part of the World Wildlife Conservation series drawing attention to endangered species of wildlife.

\* Reeded edges: All denominations.

NOTE.—The basic monetary unit, the tukhrik, is divided into 100 mongo.

## MOROCCO

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 dirhams <sup>2</sup> .....	3,200	6.61	900 gold, 100 silver .....	21.00	n.a.
Do .....		9.67	.....do.....	21.00	n.a.
50 dirhams .....		60.45	.....do.....	42.00	n.a.
Do .....		90.52	.....do.....	42.00	n.a.
Do <sup>3</sup> .....	10,000	35.00	925 silver, 75 copper .....	42.00	n.a.
Do .....		52.86	.....do.....	42.00	n.a.
5 dirhams .....		23.65	900 gold, 100 silver .....	29.00	n.a.
Do .....		35.48	.....do.....	29.00	n.a.
Do .....		12.00	75% copper, 25% nickel .....	29.00	n.a.
Do .....		12.00	925 silver .....	29.00	n.a.
1 dirham .....		6.00	900 gold .....	24.00	1.82
Do .....		6.00	75% copper, 25% nickel .....	24.00	1.82
50 centimes .....		4.00	900 gold .....	21.00	2.20
Do <sup>4</sup> .....	10,000,000	4.00	75% copper, 25% nickel .....	21.00	2.20
20 centimes .....		4.00	900 gold .....	23.00	1.60
Do .....	10,000,000	4.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.60
10 centimes .....		3.00	900 gold .....	20.00	1.60
Do <sup>5</sup> .....	15,000,000	3.00	92% copper, 6% aluminum, 2% nickel.	20.00	1.60
5 centimes .....		2.00	900 gold .....	17.50	1.90
Do <sup>5</sup> .....	11,600,000	2.00	92% copper, 6% aluminum, 2% nickel.	17.50	1.90
1 centime .....		.70	900 gold .....	17.00	1.40
Do .....		.70	Aluminum .....	17.00	1.40
Total .....	46,613,200				

<sup>1</sup> 1976 coinage made by mints in the United Kingdom.

<sup>2</sup> Coins bear years 1396-1976.

<sup>3</sup> Coins bearing 1395 and 1975 include coins commemorating the 45th birthday of King Hassan II and International Women's Year.

<sup>4</sup> Coins dated 1394-1974.

<sup>5</sup> Issued in connection with FAO food coin plan, with dates 1394-1974.

\*Reeded edges: 250, 50, and 1 dirhams; 50, 20, and 10 centimes. Smooth edges: 5 and 1 centimes.

n.a. Not available.

NOTE.—From July 1974 the "centime" replaced the "franc" in Moroccan coinage, pursuant to Moroccan Law 1-72-123, July 27, 1972. The coins bear the centime designation in Arabic script.

*Previous issues of Moroccan coins also outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dirhams .....	11.75	720 silver, 280 copper .....	29	2.20
1 dirham .....	6.00	.....do.....	24	1.82
Do .....	6.00	Pure nickel .....	24	1.82
500 francs .....	22.50	900 silver, 100 copper .....	36	2.70
200 francs .....	8.00	720 silver, 280 copper .....	27	1.70
100 francs .....	4.00	.....do.....	22	1.30
50 francs .....	8.00	92% copper, 6% aluminum, 2% nickel.	27	2.20
20 francs .....	4.00	.....do.....	23	1.60
10 francs .....	3.00	.....do.....	20	1.60
5 francs .....	1.85	99% aluminum, 1% other .....	25	1.90
2 francs .....	1.20	.....do.....	22	1.60
1 franc .....	.80	.....do.....	19	1.40

\*Milled edges: 5 and 1 dirham coins, 500, 200, 100 francs. Smooth edges: 50, 20, 10, 5, 2, and 1 franc coins.



## MOZAMBIQUE

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Metica-centimo system:					
2½ meticas .....	.....	13.50	75% copper, 25% nickel .....	30.00	n.a.
1 metica .....	.....	11.31	.....do.....	28.50	n.a.
50 centimos .....	.....	5.66	.....do.....	23.60	n.a.
20 centimos .....	.....	2.83	.....do.....	19.41	n.a.
10 centimos .....	.....	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	n.a.
5 centimos .....	.....	3.56	.....do.....	20.32	n.a.
2 centimos .....	.....	1.78	.....do.....	17.15	n.a.
1 centimo .....	.....	.50	Aluminum .....	16.00	n.a.
Total .....	.....				

\*Serrated edges: 1 metica, 50, and 20 centimos. Smooth edges: 2½ meticas; 10, 5, 2, and 1 centimos coins.  
n.a. Not available.

NOTE.—Formerly Portuguese East Africa, Mozambique was granted independence on June 25, 1975.

## NEPAL

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 asarfi <sup>2</sup> .....	175	33.43	900 gold, 100 silver .....	34.00	2.49
50 rupees <sup>2</sup> .....	1,750	35.00	925 silver .....	42.00	2.87
Do <sup>2</sup> .....		31.65	500 silver, 500 copper .....	42.00	2.87
25 rupees <sup>2</sup> .....	1,750	28.28	925 silver .....	38.61	2.75
Do .....		17.00	600 silver, 400 copper .....	36.00	n.a.
Do <sup>2</sup> .....		25.31	500 silver, 500 copper .....	38.61	2.75
20 rupees <sup>3</sup> .....	24,944	15.00	500 silver, 400 copper, 100 nickel.	33.00	n.a.
10 rupees <sup>4</sup> .....	1,975	8.00	250 silver, 600 copper, 150 nickel.	29.00	n.a.
1 rupee .....		10.00	75% copper, 25% nickel .....	27.50	1.85
Do <sup>3</sup> .....	1,163,943	7.00	..... do .....	26.50	n.a.
50 paisa .....	3,445,734	5.00	..... do .....	23.50	1.31
25 paisa .....	2,362,269	3.00	..... do .....	19.00	1.21
10 paisa .....		1.40	100% aluminum .....	22.00	n.a.
Do <sup>3</sup> .....	688,181	2.20	66% copper, 34% zinc .....	18.50	n.a.
Do .....		4.00	..... do .....	21.00	1.34
5 paisa .....	35,974,646	1.20	100% aluminum .....	20.50	1.31
2 paisa .....	72,354	.90	..... do .....	18.50	1.21
1 paisa .....		.60	..... do .....	16.50	1.01
Total .....	43,737,721				

<sup>1</sup> Production for general circulation by His Majesty's Government Mint, Kathmandu, except for the 1 asarfi, 50 and 25 rupees, which were struck by the mints in the United Kingdom. The lower denomination coins for regular issue were dated partially 2032 and partially 2033.

<sup>2</sup> Dated 2031, and believed to be part of the World Wildlife Conservation coin series, calling attention to endangered species of wildlife.

<sup>3</sup> Commemorates International Women's Year and dated 2032.

<sup>4</sup> FAO food and family planning program coins and dated 2031.

n.a. Not available.

\*Milled edges: 1 asarfi; 50, 25, 20, 10, 1 rupee coins; 50 and 25 paisa. Smooth edges: 10, 5, 2, and 1 paisa coins.





*Previous issues of Nepalese coins*

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Bakla Ashrafi .....	11.66	995 gold, 5 other.....	25.20	1.22
Patla Ashrafi.....	5.83	.....do .....	25.20	.61
¼ Ashrafi.....	1.94	.....do .....	18.29	.28
Dabal (1 rupee).....	11.08	800 silver, 200 copper .....	29.60	1.60
Do.....	11.08	333.3 silver, 666.7 copper.....	29.60	1.60
Do.....	11.66	75% copper, 25% nickel .....	29.60	1.90
Do.....	11.66	.....do .....	28.60	2.34
Mohar (50 pice) .....	5.54	800 silver, 200 copper .....	25.20	1.20
Do.....	5.54	333.3 silver, 666.7 copper.....	25.20	1.20
Do.....	5.83	75% copper, 25% nickel .....	25.20	1.40
Do.....	5.83	.....do .....	24.80	1.40
Suka (25 pice) .....	2.92	.....do .....	19.10	1.16
Do.....	2.90	.....do .....	19.00	1.19
Pachanni.....	2.22	333.3 silver, 666.7 copper.....	18.30	.90
Do.....	2.33	75% copper, 25% nickel .....	17.80	1.10
Das paise (10 pice).....	6.48	95% copper, 5% zinc.....	24.80	1.50
Do.....	5.00	.....do .....	24.80	1.30
Do.....	5.00	95% copper, 5% aluminum.....	24.80	1.30
Panch paise (5 pice).....	3.89	95% copper, 5% zinc.....	22.20	1.00
Do.....	3.00	.....do .....	20.80	1.00
Do.....	3.00	95% copper, 5% aluminum.....	22.20	1.00
Do.....	3.24	70% copper, 20% nickel, 10% zinc	20.30	1.00
4 pice <sup>1</sup> .....	2.36	66% copper, 34% zinc .....	19.10	n.a.
Dui paise (2 pice) .....	3.89	.....do .....	22.90	1.10
Do.....	2.60	.....do .....	20.80	.90
Do.....	2.27	.....do .....	19.10	.90
Do.....	2.25	.....do .....	19.00	.90
Ek paise (1 pice) .....	1.50	.....do .....	16.50	.80
Do.....	1.43	.....do .....	16.50	.80
Do.....	1.94	.....do .....	20.10	.70
Do.....	1.62	.....do .....	18.30	.70

<sup>1</sup> Coin has central hole.

\*Not available.

NOTE.—There are 100 pice to the dabal.

## NETHERLANDS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 guilders .....	.....	25.00	720 silver, 280 copper.....	38.00	2.60
2½ guilders.....	.....	10.00	Pure nickel.....	29.00	2.30
1 guilder .....	32,000,000	6.00	.....do.....	25.00	1.80
25 cents .....	64,000,000	3.00	.....do.....	19.00	1.50
10 cents .....	85,000,000	1.50	.....do.....	15.00	1.20
5 cents .....	50,000,000	3.50	95% copper, 4% tin, 1% zinc.	21.00	1.50
1 cent .....	15,000,000	2.00	.....do.....	17.00	1.30
Total.....	246,000,000				

<sup>1</sup> Coins made at Netherlands Government Mint, Utrecht, and dated 1976.

\*Lettered edges: 10, 2½, and 1 guilders. Milled edges: 25 and 10 cents. Smooth edges: 5 and 1 cent coins.

## NETHERLANDS ANTILLES (CURACAO)

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 guilders .....	.....	42.12	925 silver.....	45.00	n.a.
1 guilder .....	.....	10.00	720 silver, 280 copper.....	28.00	2.00
Do .....	.....	9.00	Pure nickel.....	28.00	2.10
25 cents .....	.....	3.58	640 silver, 360 copper.....	19.00	1.50
Do .....	1,000,000	3.50	Pure nickel.....	20.00	1.60
10 cents .....	.....	1.40	640 silver, 360 copper.....	15.00	1.10
Do .....	2,000,000	2.00	Pure nickel.....	16.00	1.40
5 cents <sup>2</sup> .....	1,500,000	4.50	75% copper, 25% nickel.....	18.00	1.80
2½ cents.....	.....	4.00	95% copper, 4% zinc, 1% tin.	23.50	1.40
Do .....	600,000	4.00	95% copper, 4% tin, 1% zinc.	22.00	1.60
1 cent .....	2,600,000	2.50	.....do.....	18.00	1.40
Do .....	.....	2.50	95% copper, 4% zinc, 1% tin.	19.00	1.40
Total.....	7,700,000				

<sup>1</sup> 1976 circulation coinage was made by Netherlands Government Mint, Utrecht. The year on the coins was 1976.

<sup>2</sup> Square coin with rounded corners. (Diameter measurement across sides.)

\* Lettered edges: 25 and silver 1 guilder. Smooth edges: Nickel 1 guilder, 5, 2½, and 1 cent pieces. Milled edges: 25 and 10 cent coins.

n.a. Not available.

## NEW CALEDONIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	2,000,200	10.00	92% copper, 6% nickel, 2% aluminum.	30.00	n.a.
50 francs .....	.....	15.00	Pure nickel.....	33.00	2.20
20 francs .....	.....	10.00	.....do.....	28.50	2.10
10 francs .....	.....	6.00	.....do.....	24.00	1.80
5 francs .....	.....	3.50	95% aluminum, 5% magnesium.	31.00	n.a.
2 francs .....	.....	2.20	.....do.....	27.00	n.a.
1 franc .....	.....	1.30	.....do.....	23.00	n.a.
55 centimes .....	.....	.70	.....do.....	18.00	n.a.
Total.....	2,000,200				

<sup>1</sup> 1976 coinage was produced by the French Government Mint, Paris.

\* Milled edges: 100, 50, 20, and 10 francs. Smooth edges: 2 and 1 franc coins. Other denominations not reported.

n.a. Not available.

## NEW GUINEA

Australian coins circulate in New Guinea (located in the northeastern portion of the island) as well as in Papua (located in the southeastern portion of New Guinea). Each area was granted self government Dec. 1, 1973, and complete independence in 1975. (See Papua New Guinea.)

## NEW HEBRIDES

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	.....	25.00	835 silver, 165 copper .....	37.00	2.60
50 francs .....	.....	15.00	Pure nickel .....	33.00	n.a.
20 francs .....	.....	10.00	..... do .....	28.50	2.10
10 francs .....	.....	6.00	..... do .....	24.00	1.80
5 francs .....	.....	4.00	92% copper, 6% aluminum, 2% nickel.	23.50	n.a.
2 francs .....	.....	3.00	..... do .....	20.00	n.a.
1 franc .....	.....	2.00	..... do .....	17.00	n.a.
Total .....	.....				

\*Reeded edges: 100, 50, 20, and 10 francs. Smooth edges: 5, 2, and 1 franc pieces.

n.a. Not available.

NOTE.—In addition to the New Hebrides coins, Australian, metropolitan French, and United Kingdom coins circulate in New Hebrides.

## NEW ZEALAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar .....	133,350	27.22	75% copper, 25% nickel .....	38.74	3.07
50 cents .....	2,057,400	13.61	..... do .....	31.75	2.24
20 cents .....	7,577,400	11.31	..... do .....	28.57	2.29
10 cents .....	5,057,400	5.66	..... do .....	23.62	1.73
5 cents .....	57,400	2.83	..... do .....	19.43	1.35
2 cents .....	15,057,400	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 cent .....	20,057,400	2.07	..... do .....	17.53	1.17
Total .....	49,977,750				

<sup>1</sup> 1976 coinage, manufactured by Royal Mint, London, was dated as follows:

<i>Denomination</i>	<i>1976</i>	<i>1977</i>
1 dollar .....	56,350	77,000
50 cents .....	2,025,400	32,000
20 cents .....	7,525,400	32,000
10 cents .....	5,025,400	32,000
5 cents .....	25,400	32,000
2 cents .....	15,025,400	32,000
1 cent .....	20,025,400	32,000

\*Edge of 50 cents has alternate milled and smooth sections. Milled edges: \$1, 20, 10, and 5 cents. Smooth edges: 2 cents and 1 cent.

*Nondecimal coins of New Zealand in circulation in 1976*

Denomination issued under pound-shilling-pence system	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Florin (2 shillings) .....	11.31	75% copper, 25% nickel .....	28.57	2.29
Shilling .....	5.66	..... do .....	23.62	1.73
Sixpence .....	2.83	..... do .....	19.43	1.35

\*Not reported.



## NICARAGUA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins: <sup>2</sup>					
2,000 cordobas.....	200	19.20	900 gold.....	32.00	n.a.
1,000 cordobas.....	3,200	9.60	.....do.....	25.00	n.a.
500 cordobas.....	200	5.40	.....do.....	21.00	n.a.
200 cordobas.....	200	2.10	.....do.....	15.00	n.a.
100 cordobas.....	1,400	25.14	925 silver.....	40.00	n.a.
50 cordobas.....	1,200	12.57	.....do.....	30.00	n.a.
20 cordobas.....	850	5.03	.....do.....	22.00	n.a.
Subtotal.....	7,250				
Regular issue:					
1 cordoba.....		9.50	75% copper, 25% nickel.....	29.00	n.a.
50 centavos.....		8.00	.....do.....	26.00	2.00
25 centavos.....		5.00	.....do.....	23.00	1.80
10 centavos.....		1.25	Aluminum with 4% magnesium	20.00	1.80
5 centavos.....		1.50	.....do.....	21.50	n.a.
Total.....	7,250				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated 1975.

<sup>2</sup> Coins in this series honor the Bicentennial of American independence and express Nicaragua's gratitude for World assistance following the 1972 Managua earthquake.

\*Milled edges: All denominations.

n.a. Not available.

## NIGERIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 kobo.....	4,616,000	10.00	75% copper, 25% nickel.....	26.92	2.20
10 kobo.....	79,340,000	4.00	.....do.....	22.86	1.30
5 kobo.....	56,320,000	2.76	.....do.....	20.00	1.10
1 kobo.....	39,784,000	5.80	97% copper, 2.5% zinc, 0.5% tin.	25.00	1.10
½ kobo.....		3.50	.....do.....	21.60	1.30
Total.....	180,060,000				

<sup>1</sup> 1976 coinage, manufactured by the Nigerian Security Printing and Minting Company, Ltd., was dated 1973.

\*Reeded edges: All denominations.

## NORWAY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 kroner.....	.....	29.00	875 silver, 125 copper.....	39.00	2.90
5 kroner.....	9,055,574	11.50	75% copper, 25% nickel.....	29.50	2.23
1 krone.....	35,926,574	7.00	.....do.....	25.00	1.83
50 ore.....	15,177,324	4.80	.....do.....	22.00	1.63
25 ore.....	24,721,074	2.40	.....do.....	17.00	1.40
10 ore.....	42,403,074	1.50	.....do.....	15.00	1.18
5 ore.....	.....	8.00	95% copper, 4% tin, 1% zinc.	27.00	1.75
Do.....	24,232,824	3.00	.....do.....	19.00	1.48
Total.....	151,516,444				

<sup>1</sup> The 1976 coinage, made by the Royal Mint of Norway, bears the date 1976.

\*Incused lettered edge: 5kr. Milled edges: 1kr, 50, 25, and 10 ore. Smooth edges: commemorative 5kr. and 5 ore.

*Previous issues of Norwegian coins in circulation in 1976*

Denomination and years issued	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 krone (1924-51).....	7.0	75% copper, 25% nickel.....	<sup>1</sup> 25	2.05
1 krone (1951-57).....	7.0	.....do.....	<sup>2</sup> 25	1.94
50 ore (1924-51).....	4.8	.....do.....	<sup>1</sup> 22	1.80
50 ore (1951-57).....	4.8	.....do.....	<sup>2</sup> 22	1.75
25 ore (1924-51).....	2.4	.....do.....	<sup>1</sup> 17	1.60
25 ore (1951-57).....	2.4	.....do.....	<sup>2</sup> 17	1.42
10 ore (1924-51).....	1.5	.....do.....	<sup>1</sup> 15	1.33
10 ore (1951-57).....	1.5	.....do.....	<sup>2</sup> 15	1.20
5 ore (1924-51).....	8.0	95% copper, 4% tin, 1% zinc.....	<sup>2</sup> 27	1.88
5 ore (1951-57).....	8.0	.....do.....	<sup>2</sup> 27	1.88

<sup>1</sup> Perforated.

<sup>2</sup> Not perforated.

\*Smooth edges: All denominations.

OMAN

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
15 rial .....	.....	22.05	916.6 gold .....	22.05	n.a.
5 rial .....	.....	28.00	925 silver .....	38.70	2.38
1 rial .....	.....	46.65	916.6 gold .....	38.74	n.a.
Do .....	.....	16.00	925 silver .....	32.13	1.91
½ rial .....	.....	25.60	916.6 gold .....	33.02	n.a.
Do .....	.....	8.00	925 silver .....	24.26	1.68
¼ rial .....	.....	4.04	..... do .....	19.05	1.35
100 baizas .....	.....	11.31	75% copper, 25% nickel .....	28.50	2.24
Do .....	.....	22.74	916.6 gold .....	28.50	n.a.
50 baizas .....	.....	6.48	75% copper, 25% nickel .....	24.00	1.85
Do .....	.....	12.89	916.6 gold .....	24.00	n.a.
25 baizas .....	.....	3.00	75% copper, 25% nickel .....	18.00	n.a.
Do .....	.....	5.96	916.6 gold .....	18.00	n.a.
20 baizas .....	.....	n.a.	75% copper, 25% nickel .....	n.a.	n.a.
10 baizas .....	2,000,000	4.76	97% copper, 2.5% zinc, 0.5% tin.	22.50	1.60
5 baizas .....	2,000,000	3.11	..... do .....	19.00	n.a.
2 baizas .....	.....	1.75	..... do .....	15.98	1.24
Total .....	4,000,000				

<sup>1</sup> 1976 coinage was made by mints in the United Kindgom and dated 1395.  
\*Milled edges: 15, 5, 1, and ½ rials and 100, 50, and 25 baizas. Smooth edges: ¼ rial, 10, 5, and 2 baizas. 20 baizas edge unknown.  
n.a. Not available.



## PAKISTAN

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 rupees <sup>2</sup> .....	100	4.50	916.6 gold.....	19.00	n.a.
100 rupees <sup>2</sup> .....	2,000	20.44	925 silver.....	36.00	n.a.
50 paisa <sup>2</sup> .....	5,000,000	5.83	75% copper, 25% nickel.....	24.00	1.75
Do.....	5,852,000	5.00	.....do.....	22.00	1.75
25 paisa.....	20,440,000	4.00	.....do.....	20.00	1.75
10 paisa (Scalloped)...	.....	4.00	.....do.....	22.00	1.45
Do.....	43,755,000	1.60	Pure aluminum.....	22.00	1.35
5 paisa (square).....	58,255,000	1.25	.....do.....	21.00	1.30
2 paisa (Scalloped)...	5,750,000	1.00	.....do.....	19.50	1.45
1 paisa.....	49,180,000	.75	.....do.....	17.00	1.25
Total.....	188,234,100				

<sup>1</sup> 1976 coinage was produced at Pakistan Mint, Lahore, and was dated 1976.

<sup>2</sup> Commemorate the 100th anniversary of the birth of Quaid-e-Azam Mohammad Ali Jinnah, the founder of Pakistan.

\*Serrated edges: 500, 100 rupees, 50 and 25 paisa. 12 scallops with waved, smooth edges: 10 paisa coins. 8 scallops with waved, smooth edges: 2 paisa aluminum coins. Smooth edges: 5 and 1 paisa.

n.a. Not available.

*Previous issues of Pakistani coins in circulation in 1976*

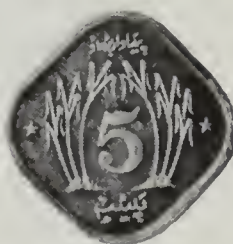
Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rupee.....	11.66	Pure nickel.....	27.94	2.39
½ rupee.....	5.83	.....do.....	24.13	1.73
¼ rupee.....	2.92	.....do.....	19.05	1.50
50 paisa.....	5.83	.....do.....	24.00	1.70
25 paisa.....	2.92	.....do.....	19.00	1.50
10 paisa.....	5.00	75% copper, 25% nickel.....	( <sup>1</sup> )	1.75
5 paisa (square).....	3.00	79% copper, 20% zinc, 1% nickel	21.00	1.50
2 paisa.....	.75	Pure aluminum.....	18.00	1.50
1 paisa.....	1.50	79% copper, 20% zinc, 1% tin....	17.00	1.02
Do.....	1.50	.....do.....	20.60	.76

<sup>1</sup> 12 scallops with greater diameter of 23 mm. and lesser diameter of 21.89 mm.

\*Serrated edges: 1, ½, ¼, rupees, 50, and 25 paisa. Waved edge: 10 paisa. Smooth edge: 1 paisa.



Coinage of Pakistan



Coinage of Pakistan



PANAMA, REPUBLIC OF

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 balboas .....	n.a.	132.20	925 silver, 75 copper .....	61.00	5.72
5 balboas .....	n.a.	35.12	.....do.....	39.00	3.20
1 balboa.....	n.a.	26.73	900 silver, 100 copper.....	38.10	2.72
½ balboa .....	n.a.	11.50	3-layer composite: outer cladding 800 silver, 200 copper bonded to a core of approximately 200 silver, 800 copper.	30.61	1.98
Do .....	n.a.	11.34	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	30.61	1.98
¼ balboa .....	n.a.	5.67	.....do.....	24.26	1.83
⅒ balboa.....	n.a.	2.27	.....do.....	17.91	1.30
5 centesimos .....	n.a.	5.00	75% copper, 25% nickel.....	21.21	1.78
2½ centesimos.....	n.a.	1.63	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	15.00	1.35
1 centesimo .....	n.a.	3.11	95% copper, 5% zinc .....	19.05	1.63
Total.....					

\*Reeded edges: 20, 5, 1, ½, ¼, and ⅒ balboa coins. Smooth edges: 5, 2½, and 1 centesimo coins.  
n.a. Not available.

NOTE.—U.S. coins also circulated in Panama.

PAPUA NEW GUINEA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 kina .....	.....	14.52	75% copper, 25% nickel.....	32.87	2.60
20 toea .....	.....	11.30	.....do.....	28.52	n.a.
10 toea .....	24,000,000	5.65	.....do.....	23.59	n.a.
5 toea .....	.....	2.83	.....do.....	19.40	n.a.
2 toea .....	7,500,000	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 toea .....	7,500,000	2.07	.....do.....	17.52	n.a.
Total.....	39,000,000				

<sup>1</sup> 1976 coinage was made by mints in the United Kingdom. The 10 toea were dated 1976, while the 2 and 1 toea each consisted of 2.4 million coins dated 1975 and 5.1 million dated 1976.

\*Reeded edges: 1 kina, 20, 10, and 5 toea. Smooth edges: 2 and 1 toea coins.  
n.a. Not available.

## PARAGUAY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 guaranies.....	.....	5.56	Stainless steel.....	26.00	1.70
10 guaranies.....	10,000,000	4.15	.....do.....	22.00	1.50
5 guaranies.....	.....	3.43	.....do.....	20.00	1.50
1 guarani.....	12,000,000	2.76	.....do.....	18.00	1.50
Total.....	22,000,000				

<sup>1</sup> 1976 coinage, produced by the Brazilian Mint, was dated 1976.

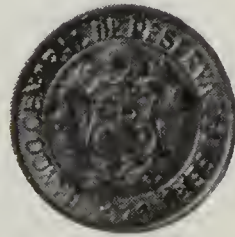
\*Smooth edges: All denominations.

## PERU

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 soles.....	25,000	22.00	800 silver, 200 copper.....	37.00	2.00
100 soles.....	.....	22.00	.....do.....	37.00	2.00
20 soles.....	.....	8.00	900 silver, 100 copper.....	26.40	1.42
10 soles.....	.....	11.63	60% copper, 25% zinc, 15% nickel.	31.00	1.80
5 soles.....	17,016,000	4.30	.....do.....	22.50	1.24
1 sol.....	112,560,000	3.20	70% copper, 30% zinc.....	21.00	1.07
½ sol.....	369,828,000	2.15	.....do.....	18.00	1.02
20 centavos.....	.....	1.80	.....do.....	16.50	1.00
10 centavos.....	.....	1.50	.....do.....	15.00	.98
Total .....	499,429,000				

<sup>1</sup> 1976 coinage was made by Government Mint of Peru, except for the 1 soles and 200,664,000 of the ½ soles which were made by the U.S. Mint, Philadelphia. All coins bore the year 1976.

\*Serrated edges: 200, 100, and 10 soles. Smooth edges: 5, 1, and ½ soles, 20 and 10 centavos.



Coinage of Peru



## PHILIPPINES

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,500 pesos <sup>2</sup> .....	12,000	20.45	900 gold .....	33.25	n.a.
1,000 pesos .....		9.95	.....do.....	27.74	n.a.
50 pesos <sup>3</sup> .....	27,204	28.00	925 silver, 75 copper .....	40.00	n.a.
25 pesos <sup>4</sup> .....	33,727	25.00	500 silver, 500 copper .....	38.00	n.a.
5 pesos .....	21,727	22.00	Pure nickel .....	36.00	2.60
1 piso .....	30,021,727	9.50	75% copper, 25% nickel .....	29.00	2.00
25 sentimos .....	10,021,727	4.00	.....do.....	21.00	1.70
10 sentimos .....	50,021,727	2.00	.....do.....	18.00	1.30
5 sentimos .....	98,949,727	2.50	60% copper, 40% zinc .....	( <sup>5</sup> )	1.40
1 sentimo .....	60,211,727	1.20	99.2% aluminum, 0.8% magnesium.	( <sup>6</sup> )	2.40
Total .....	249,321,293				

<sup>1</sup> 1976 coinage, the second year of the "Ang Bagong Lipunan" or "New Society" series, bore the year 1976. Production included 9,901 proof sets (denominations 50 piso through 1 sentimo), 5,477 individual proof 50 pesos, and 1,826 uncirculated coins of each of the denominations 50 piso through 1 sentimo produced by the Franklin Mint, a private mint in the United States. In addition, the Franklin Mint made 92,000 circulating coins in these denominations. The remaining circulating coins were manufactured at U.S. Mint installations.

<sup>2</sup> Consists of 6,000 proof and 6,000 uncirculated coins commemorating the policy meetings of four major international economic organizations (International Monetary Fund, World Bank, International Finance Corporation, International Development Association) held in Manila in 1976. Produced by Bayerisches Hauptmunzamt, Munich, West Germany.

<sup>3</sup> Commemorates the international economic organization meetings.

<sup>4</sup> Commemorates the Philippines' achievement of self-sufficiency in rice production.

<sup>5</sup> Scalped coin measuring 19 mm. at outer edge, 17 mm. at inner edge.

<sup>6</sup> Square coin with rounded corners measuring 19 mm. diagonally and 16.5 mm. across flats.

\*Smooth edges: 1,000, 50, 25, and 5 pesos, new 1 piso pieces, 5 and 1 sentimo coins. Milled edges: 1,500 and 1 piso coins, 25, and 10 sentimos coins.

n.a. Not available.

NOTE.—For detail of designs on "New Society" coins, see Philippines table in the last edition of this report, covering calendar year 1975 foreign coinage.

*Other Philippine coins in circulation in 1976*

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 piso .....	14.50	70% copper, 18% zinc, 12% nickel	32.50	2.20
50 sentimos .....	8.00	.....do.....	27.50	1.90
25 sentimos .....	4.00	.....do.....	21.00	1.75
10 sentimos .....	2.00	.....do.....	17.90	1.24
5 sentimos .....	2.50	60% copper, 40% zinc .....	18.40	1.45
1 sentimos .....	.49	95% aluminum, 5% magnesium ....	15.25	1.36
50 centavos .....	10.22	70% copper, 18% zinc, 12% nickel	30.61	2.03
25 centavos .....	5.11	.....do.....	24.26	1.65
10 centavos .....	2.04	.....do.....	17.91	1.19
5 centavos .....	4.85	80% copper, 20% zinc .....	21.21	1.90
1 centavo .....	3.11	95% copper, 5% zinc .....	19.05	1.52

\*Reeded edges: 1 piso, 50, 25, and 10 sentimos, 50, 25, and 10 centavos. Smooth edges: 5 and 1 sentimos coins, 5 and 1 centavos coins.



Coinage of the Philippines

## POLAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 zloty <sup>2</sup> .....	5,200	29.90	900 gold, 50 silver, 50 copper	32.00	2.65
200 zloty .....		14.50	725 silver, 275 copper.....	31.00	2.45
Do <sup>3</sup> .....	2,084,500	14.50	625 silver, 375 copper.....	31.00	2.45
100 zloty <sup>4</sup> .....	198,200	16.50	.....do.....	32.00	2.55
20 zloty .....	n.a.	10.15	75% copper, 25% nickel.....	29.00	2.20
10 zloty .....	n.a.	9.50	.....do.....	28.00	2.20
Do .....	n.a.	7.70	.....do.....	25.00	2.30
5 zloty .....	n.a.	3.45	98% aluminum, 2% magnesium, and manganese.	29.00	2.70
2 zloty .....	n.a.	2.70	.....do.....	27.00	2.30
1 zloty .....	n.a.	2.20	.....do.....	25.00	2.20
50 grosz .....	n.a.	1.60	.....do.....	23.00	1.90
20 grosz .....	n.a.	1.00	.....do.....	20.00	1.50
10 grosz .....	n.a.	.70	.....do.....	17.00	1.30
5 grosz .....	n.a.	n.a.	.....do.....	16.00	1.45
Total .....	n.a.				

<sup>1</sup> 1976 coinage was produced by Mennica Panstwowa, Warsaw. Coins for general circulation were dated 1976.

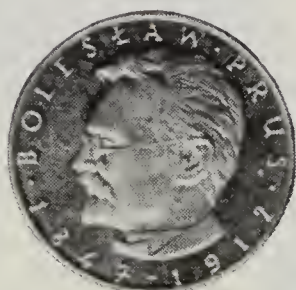
<sup>2</sup> Consists of 2,600 coins commemorating Tadeusz Kosciuszko and 2,600 honoring Kazimierz Pulaski, two Polish heroes of the American Revolution, dated 1976.

<sup>3</sup> Commemorates the 21st Olympic games and bears the year 1976.

<sup>4</sup> Consists of the following commemorative issues: 41,900 1975-dated coins commemorating Polish actress Helena Modrzejewska; 14,400 1975-dated coins honoring the Polish pianist, composer, and statesman, Ignacy Paderewski; 61,300 1976-dated coins commemorating Tadeusz Kosciuszko; and 80,600 1976-dated coins honoring Kazimierz Pulaski.

\*Reeded edges: 20, 10, 5, 2, 1 zloty and 50 grosz coins. Smooth edges: 500, 200, 100 zloty, 20, and 10 grosz coins.  
n.a. Not available.





Coinage of Poland

## PORTUGAL

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 escudos <sup>2</sup> .....	901,350	2.50	680 silver, 320 copper.....	37.00	2.70
100 escudos <sup>2</sup> .....	905,775	15.0	650 silver, 350 copper.....	32.00	2.26
50 escudos .....	.....	18.0	.....do.....	34.00	2.40
10 escudos .....	.....	10.0	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure nickel.	28.00	2.20
5 escudos .....	12,814,232	7.0	75% copper, 25% nickel.....	24.50	2.00
2½ escudos.....	14,763,043	3.5	.....do.....	20.00	1.50
1 escudo .....	7,352,516	8.0	95% copper, 3% zinc, 2% tin.	26.00	2.10
Do .....	.....	8.0	61% copper, 20% zinc, 19% nickel.	26.80	2.00
50 centavos .....	.....	4.5	.....do.....	22.80	1.50
Do .....	23,734,348	4.5	95% copper, 3% zinc, 2% tin.	22.50	1.50
20 centavos .....	.....	1.8	.....do.....	16.00	1.20
10 centavos .....	19,906,446	.5	97.5% aluminum, 2.5% magnesium.	15.00	1.30
Total .....	80,377,710				

<sup>1</sup> 1976 coinage was made at Portuguese Government Mint, Lisbon. The 5 and 2½ escudos and 50 and 10 centavos coins were dated partially 1976 and partially 1975. The 1 escudos were dated 1975, while the remaining denominations were dated 1976.

<sup>2</sup> Commemorative issue marking the Day of the Revolution, Apr. 25, 1974; the 250 escudo total includes 1,350 proof coins while the 100 escudo total includes 5,775 proof coins.

\*Serrated edges: 250, 100, 5, 2½, and old 1 escudos pieces. Smooth edges: 1 escudo and 50, 20, and 10 centavos. Lettered edges: 10 and 50 escudos.

NOTE.—Coins of continental Portugal circulate in Madeira and the Azores.

*Commemorative issues of Portuguese coins also outstanding*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 escudos.....	18.0	650 silver, 350 copper .....	34	2.4
20 escudos.....	21.0	800 silver, 200 copper .....	34	2.7
Do .....	21.0	.....do .....	34	2.8
Do .....	10.0	650 silver, 350 copper .....	30	1.8
10 escudos.....	12.5	835 silver, 165 copper .....	30	2.2
Do .....	12.5	680 silver, 320 copper .....	30	2.3
5 escudos.....	7.0	650 silver, 350 copper .....	25	1.9
20 centavos.....	3.0	95% copper, 3% zinc, 2% tin .....	21	1.3
10 centavos.....	2.0	.....do .....	18	1.2

\*Serrated edges, all commemorative, except three issues of the 50 escudos, which had lettered edges.





PORTUGUESE EAST AFRICA—*See* Mozambique

PORTUGUESE MACAO—*See* Macao

### PORTUGUESE TIMOR

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 escudos.....	.....	9.00	75% copper, 25% nickel.....	28.00	2.00
5 escudos.....	.....	7.00	.....do.....	24.50	2.00
2½ escudos.....	.....	3.50	.....do.....	20.00	1.60
1 escudo.....	.....	8.00	95% copper, 3% zinc, 2% tin.	22.80	2.10
50 centavos.....	.....	4.00	.....do.....	20.00	1.70
20 centavos.....	.....	2.50	.....do.....	22.00	1.30
10 centavos.....	.....	2.00	.....do.....	18.00	1.10
Total.....	.....				

\*Serrated edges: 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, and 10 centavo pieces.

PORTUGUESE WEST AFRICA (ANGOLA)—*See* Angola

PORTUGUESE WEST AFRICA (CAPE VERDE)—*See* Cape Verde

PORTUGUESE WEST AFRICA (GUINEA)—*See* Guinea-Bissau

PORTUGUESE WEST AFRICA (SAN TOME AND PRINCIPE)—*See* Sao Tome and Principe

QATAR

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 dirhams .....	.....	6.50	75% copper, 25% nickel .....	25	n.a.
25 dirhams .....	2,000,000	3.50	.....do.....	20	1.32
10 dirhams .....	.....	7.50	97% copper, 2.5% zinc, 0.5% tin.	27	n.a.
5 dirhams .....	.....	3.75	.....do.....	22	1.37
1 dirham .....	.....	1.50	.....do.....	15	n.a.
Total.....	2,000,000				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1396-1976.

\*Milled edges: 50, 25, and 10 dirhams. Smooth edges: 5 and 1 dirham coins.

n.a. Not available.

RAS AL KHAIMA—*See* United Arab Emirates

## REUNION

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	.....	8.5	Pure nickel.....	26.5	n.a.
50 francs .....	.....	6.0	92% copper, 6% aluminum, 2% nickel.	24.0	n.a.
Do .....	.....	6.0	Pure nickel.....	24.0	n.a.
20 francs .....	.....	4.0	92% copper, 6% aluminum, 2% nickel.	23.5	n.a.
Do .....	.....	4.0	91% copper, 9% aluminum....	23.5	n.a.
10 francs .....	.....	3.0	.....do.....	20.0	n.a.
Do .....	.....	3.0	92% copper, 6% aluminum, 2% nickel.	20.0	n.a.
5 francs .....	.....	3.5	95% aluminum, 5% magnesium	31.0	n.a.
2 francs .....	.....	2.2	.....do.....	27.0	n.a.
1 franc .....	.....	1.3	.....do.....	23.0	n.a.
Total .....	.....				

\*Reeded edges: 100 and 50 francs. Smooth edges: All others.

n.a. Not available.

## RHODESIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 cents .....	1,010,800	n.a.	75% copper, 25% nickel.....	n.a.	n.a.
20 cents .....	1,936,500	n.a.	.....do.....	n.a.	n.a.
10 cents .....	129,000	n.a.	.....do.....	n.a.	n.a.
5 cents .....	8,038,000	n.a.	.....do.....	n.a.	n.a.
2½ cents.....	.....	1.40	.....do.....	16.30	.99
1 cent .....	20,000,000	4.00	95% copper, 4.5% zinc, 0.5% tin.	22.40	n.a.
½ cent.....	.....	3.00	.....do.....	20.20	n.a.
Total.....	31,114,300				

<sup>1</sup> The 1976 coinage was made by the South African Mint.

\*Unofficial sources report smooth edges on the 2½, 1, and ½ cent coins; reeded edges on all other coins.

n.a. Not available.

## ROMANIA, SOCIALIST REPUBLIC OF

Denominaton	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
3 lei .....	n.a.	6.25	Nickel-clad steel .....	27.02	1.74
1 leu.....	n.a.	4.98	.....do.....	24.61	1.59
25 bani .....	n.a.	3.40	.....do.....	22.00	1.39
15 bani .....	n.a.	2.89	.....do.....	18.49	1.49
5 bani .....	n.a.	1.76	.....do.....	15.98	1.41
Total.....	n.a.				

\*Smooth edges: All denominations.

n.a. Not available.



RWANDA, REPUBLIC OF

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 francs .....	.....	18.00	800 silver, 200 copper.....	32.00	2.60
50 francs .....	.....	15.00	75% copper, 25% nickel.....	28.50	n.a.
20 francs .....	.....	8.00	.....do.....	27.00	n.a.
10 francs .....	.....	10.50	.....do.....	30.00	2.00
5 francs .....	.....	5.00	95% copper, 3% tin, 2% zinc.	25.50	1.50
Do .....	.....	5.00	97% copper, 2.5% zinc, 0.5% tin.	25.50	2.00
2 francs (16 scallops).....	.....	1.50	Aluminum alloy.....	23.50	1.63
1 franc .....	.....	3.00	75% copper, 25% nickel.....	21.00	1.20
Do .....	.....	1.10	Aluminum with 2.8%-4% magnesium.	21.00	1.45
½ franc.....	.....	.70	Aluminum alloy.....	16.00	1.63
Total .....	.....				

\*Reeded edge: 200, 50, 20, and 5 francs. Smooth edges: 10, 2, 1, and ½ franc coins.  
n.a. Not available.

SAN MARINO

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 lire .....	590,000	11.00	“Argento” (835 silver, 165 copper).	29.00	2.10
100 lire .....	2,383,400	8.00	“Acmonital” (Steel containing 18% chrome).	27.80	2.00
50 lire .....	735,000	6.25	.....do.....	24.80	2.00
20 lire .....	1,195,000	3.60	“Bronzital” (92% copper, 6% aluminum, 2% nickel).	21.30	1.50
10 lire .....	195,000	1.60	“Italma” (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.30	1.65
5 lire .....	695,000	1.00	.....do.....	20.20	1.50
2 lire .....	195,000	.80	.....do.....	18.30	1.45
1 lira .....	195,000	.625	.....do.....	17.20	1.20
Total .....	6,183,400				

<sup>1</sup> 1976 coinage was produced by the Italian Government Mint. 200,000 500-lire, 530,000 100-lire, 540,000 50-lire, and 1 million 20-lire coins were dated 1975; remaining coins bore 1976.

In addition, the following 1976-dated numismatic coins composed of 917 parts gold were struck:

<i>Denomination</i>	<i>Number of pieces</i>	<i>Gross weight Grams</i>	<i>Diameter mm.</i>	<i>Thickness mm.</i>
2 scudi .....	77,527	6.00	21.00	1.00
1 scudi .....	89,670	3.00	16.00	.80

These coins had reeded edges.

\*Lettered edge: 500 lire. Reeded edges: 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lire coins.

NOTE.—San Marino is the world’s smallest republic, covering 24 square miles on three mountain peaks in Apennines mountains of northern Italy. It was founded about the fourth century. Italian coins also circulate.

## SAO TOME AND PRINCIPE, DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 escudos.....	.....	12.0	Pure nickel.....	30.0	2.12
10 escudos.....	.....	12.5	720 silver, 280 copper.....	30.0	1.70
Do .....	.....	9.0	75% copper, 25% nickel.....	28.0	2.00
5 escudos.....	.....	7.0	650 silver, 350 copper.....	25.0	1.40
Do .....	.....	7.0	75% copper, 25% nickel.....	24.5	1.90
2½ escudos.....	.....	3.5	650 silver, 350 copper.....	20.0	1.40
Do .....	.....	3.5	75% copper, 25% nickel.....	20.0	1.30
1 escudo.....	.....	8.0	95% copper, 3% zinc, 2% tin.	26.0	1.80
Do .....	.....	8.0	61% copper, 20% zinc, 19% nickel.	26.8	1.60
50 centavos.....	.....	4.5	95% copper, 3% zinc, 2% tin.	22.5	1.40
Do .....	.....	4.5	61% copper, 20% zinc, 19% nickel.	22.8	1.30
20 centavos.....	.....	1.8	95% copper, 3% zinc, 2% tin.	16.0	1.20
10 centavos.....	.....	1.8	.....do.....	16.0	1.10
Do .....	.....	.6	97.5% aluminum, 2.5% magnesium.	16.0	1.30
Total.....	.....				

\*Serrated edges: 20, 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, and 10 centavos.

NOTE.—The Democratic Republic of Sao Tome and Principe became independent on July 12, 1975.

## SAUDI ARABIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
4 girsh.....	.....	11.90	75% copper, 25% nickel.....	30.00	2.18
2 girsh.....	.....	6.10	.....do.....	26.80	1.20
1 girsh.....	.....	3.00	.....do.....	22.00	1.22
50 halala.....	6,000,000	6.30	.....do.....	26.00	1.52
25 halala.....	.....	5.00	.....do.....	23.00	1.60
10 halala.....	20,000,000	4.00	.....do.....	21.00	1.60
5 halala.....	.....	2.50	.....do.....	19.50	1.50
1 halala.....	.....	2.50	95% copper, 4% tin, 1% nickel.	19.00	n.a.
Total.....	26,000,000				

<sup>1</sup> 1976 coinage, produced by Pakistan Mint, Lahore, was dated 1976.

\*Milled edges: All denominations.

n.a. Not available.

NOTE.—There are 20 girsh in one riyal, and 5 halala in one girsh. There are several Anglicized spellings of the Arabic units.

SENEGAL, REPUBLIC OF—*See* Africa, West—Etats de l'Afrique Occidentale

## SEYCHELLES

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 rupees.....	6,000	15.98	916 gold.....	28.40	n.a.
10 rupees.....	18,500	18.14	925 silver.....	34.50	n.a.
Do.....	50,000	18.14	75% copper, 25% nickel.....	34.50	n.a.
5 rupees.....	8,500	15.00	925 silver.....	30.00	n.a.
Do.....	50,000	13.50	75% copper, 25% nickel.....	30.00	n.a.
1 rupee.....	258,500	11.67	.....do.....	30.00	1.88
50 cents.....	208,500	5.83	.....do.....	23.60	1.52
25 cents.....	208,500	2.92	.....do.....	19.00	1.65
10 cents.....	208,500	6.16	79% copper, 20% zinc, 1% nickel.	( <sup>2</sup> )	2.08
5 cents.....	808,500	.78	Aluminum alloy.....	( <sup>3</sup> )	1.70
2 cents.....	.....	3.89	.....do.....	23.10	n.a.
1 cent.....	108,500	.70	.....do.....	16.00	.91
Total.....	1,934,000				

<sup>1</sup> The 1976 coinage, made by mints in the United Kingdom, was dated 1976, except for 600,000 of the 5-cent pieces, which bore 1975.

<sup>2</sup> The 12-sided 10-cent coin is 21.1 mm. across flats and 21.9 mm. diagonally.

<sup>3</sup> 8 scallops with inner diameter 17.02 mm. and outer diameter 18.42 mm.

\*Milled edges: 1,000, 10, and 1 rupee, 50, and 25 cents. Smooth edges: 5 rupees, 10, 5, 2, and 1 cents.

n.a. Not available.

NOTE.—Seychelles gained full independence on June 29, 1976.



## SIERRA LEONE

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 leone .....	7	57.60	916 gold .....	38.60	n.a.
2 leone .....	20,000	13.50	75% copper, 25% nickel .....	30.00	n.a.
1 leone .....		50.61	916 gold .....	38.60	n.a.
Do .....	20,000	28.28	75% copper, 25% nickel .....	38.60	n.a.
Do .....		28.28	925 silver .....	38.60	n.a.
50 cents .....		11.66	75% copper, 25% nickel .....	30.00	n.a.
20 cents .....		8.23	.....do.....	22.92	1.64
10 cents .....		4.92	.....do.....	22.86	1.36
5 cents .....		2.49	.....do.....	17.78	1.14
1 cent .....		5.67	97% copper, 2.5% zinc, 0.5% tin.	25.48	1.23
½ cent .....		2.84	.....do.....	20.19	.99
Total .....	40,007				

<sup>1</sup> 1976 coinage was made by mints in the United Kingdom. The 10 leones bore the years 1905-1975, while the other coins were dated 1976.

n.a. Not available.

\*Milled edges: 10 and 1 leones, 50, 20, 10, and 5 cents. Smooth edges: 1 cent and ½ cent.

## SINGAPORE

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 dollars .....		34.72	900 gold, 100 copper .....	34.50	2.60
250 dollars .....		17.63	.....do.....	28.42	2.24
100 dollars .....		6.00	.....do.....	19.40	1.55
10 dollars .....		31.10	900 silver, 100 copper .....	40.11	2.34
Do .....	244,000	31.10	500 silver, 400 copper, 50 nickel, 50 zinc.	40.11	2.34
5 dollars .....		25.05	.....do.....	38.00	2.30
1 dollar .....	8,000	18.05	925 silver, 75 copper .....	33.32	2.34
Do .....	44,000	16.85	75% copper, 25% nickel .....	33.32	2.39
50 cents .....	8,358,000	9.33	.....do.....	27.76	2.03
20 cents .....	11,834,000	5.66	.....do.....	23.60	1.78
10 cents .....	16,631,000	2.83	.....do.....	19.41	1.40
5 cents .....	15,181,000	1.41	.....do.....	16.26	1.02
Do .....		1.24	99.5% aluminum .....	21.23	1.27
1 cent .....		1.94	97% copper, 2.5% zinc, 0.5% tin.	17.78	1.12
Do .....	14,543,000	1.74	90% steel, copper clad .....	17.78	1.12
Total .....	66,843,000				

<sup>1</sup> 1976 coinage by Chartered Industries of Singapore Ltd. The silver \$1 coins were dated 1976. The 50 cent pieces bore the year 1974, 1975, 1976, or 1977. The \$10, cupronickel \$1, 20, 10, 5, and 1 cent coins were partially dated 1975 and partially 1977.

\* Milled edges: \$500, \$250, \$100, \$10, \$5, \$1, 50, 20, 10, and 5 cent coins. Smooth edges: 1 cent and aluminum 5 cent piece.

## SOUTH AFRICA, REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter <sup>2</sup>	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Krugerrand <sup>3</sup> .....	2,900,085	33.93	916½ gold, 83½ copper.....	32.70	2.36
2 rand <sup>4</sup> .....	244,315	7.99	.....do.....	22.20	1.22
1 rand <sup>4</sup> .....	49,000	3.99	.....do.....	19.50	.79
Do <sup>4</sup> .....	41,000	15.00	800 silver, 200 copper.....	32.69	1.80
50 cents <sup>4</sup> .....	9,653,329	9.50	Pure nickel.....	27.84	1.75
20 cents <sup>4</sup> .....	18,847,062	6.00	.....do.....	24.21	1.47
10 cents <sup>4</sup> .....	31,006,878	4.00	.....do.....	20.70	1.35
5 cents <sup>4</sup> .....	48,991,150	2.50	.....do.....	17.35	1.22
2 cents <sup>4</sup> .....	51,494,572	4.00	95% copper, 4.5% zinc, 0.5% tin.	22.45	1.14
1 cent <sup>4</sup> .....	91,881,000	3.00	.....do.....	19.05	1.19
½ cent <sup>4</sup> .....	9,782,637	2.00	.....do.....	16.30	1.12
Total.....	264,891,028				

<sup>1</sup> Made by South African Mint, Pretoria.

<sup>2</sup> Mean diameters and thicknesses are of fillets from which coin blanks are punched. Law does not prescribe weight, diameter, or thickness.

<sup>3</sup> Includes 6,600 proof coins.

<sup>4</sup> Includes 22,000 proof coins.

\*Reeded edges: Krugerrand, 2 and 1 rand and 2, 1, and ½ cent coins. Smooth edges: All other denominations.

NOTE.—The monetary unit, the rand, is divided into 100 cents, and is equal to 10 shillings or one-half pound. South African coins circulate in Botswana, Lesotho, South West Africa, and Swaziland.

## SOUTH WEST AFRICA—Coins of the Republic of South Africa circulate in South West Africa

## SPAIN

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pesetas.....	.....	19.00	800 silver, 200 copper.....	34.00	2.08
Do.....	4,000,000	17.00	75% copper, 25% nickel.....	34.00	2.38
50 pesetas.....	4,000,000	12.50	.....do.....	30.00	2.25
25 pesetas.....	35,332,500	8.50	.....do.....	26.50	2.08
5 pesetas.....	156,657,500	5.75	.....do.....	23.00	1.85
2½ pesetas.....	.....	7.00	90% copper, 10% aluminum...	25.00	1.87
1 peseta.....	170,380,000	3.50	92% copper, 6% aluminum, 2% nickel.	21.00	1.55
50 centimos.....	4,060,000	1.00	96.5% aluminum, 3.5% magnesium.	20.00	1.25
10 centimos.....	.....	.75	.....do.....	17.30	1.19
Total.....	374,430,000				

<sup>1</sup> The 1976 coinage was made at the Spanish Government Mint.

\*Lettered edges: 100, 50, and 25 pesetas. Serrated edges: 5, 2½, and 1 peseta; 50 and 10 centimos.



Coinage of the Republic of South Africa



## SRI LANKA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 rupees (10 sided) <sup>2</sup> ...	1,001,000	13.60	Pure nickel.....	31.91	n.a.
2 rupees (7 sided) <sup>2</sup> ....	2,001,000	13.50	75% copper, 25% nickel.....	30.00	n.a.
1 rupee.....	13,866,431	7.13	.....do.....	25.40	1.60
50 cents.....	15,001,431	5.51	.....do.....	21.46	1.93
25 cents.....	13,401,431	3.24	.....do.....	18.03	1.60
10 cents (8 scallops)....	10,801,431	4.21	79% copper, 20% zinc, 1% nickel.	( <sup>3</sup> )	1.27
5 cents (square).....	19,585,431	3.24	.....do.....	( <sup>4</sup> )	1.22
2 cents (8 scallops)....	15,001,431	.78	Aluminum with 2.8%-4% nickel.	( <sup>5</sup> )	n.a.
1 cent.....	15,001,431	.70	.....do.....	16.00	1.32
Total.....	105,661,017				

<sup>1</sup> 1976 coinage, produced by mints in the United Kingdom, included 1,000 proof 5 and 2 rupees and 1,431 proof coins of the remaining 7 denominations. All 5 and 2 rupees were dated 1976. The remaining circulating coins were dated 1975, while the remaining proofs bore 1971.

<sup>2</sup> Commemorates the Non-Aligned Nations Conference held in Colombo in 1976. The 5 rupee is believed to be a 10-sided coin, while the 2 rupee is 7 sided.

<sup>3</sup> Diameter 23.11 mm. across and 20.96 mm. inside scallops.

<sup>4</sup> Square with round corners, 21.46 mm. diagonally and 18.24 mm. across.

<sup>5</sup> Diameter 18.42 mm. across and 17.02 mm. inside scallops.

\*Security edges: 1 rupee, 50 and 25 cents. Smooth edges: 5 and 2 rupees, 10, 5, 2, and 1 cent coins.

n.a. Not available.

NOTE.—Name of country changed from Ceylon to Sri Lanka on May 22, 1972.

## ST. LUCIA AND ST. VINCENT—See Caribbean Territories, Eastern Group

## SUDAN, REPUBLIC OF THE

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 piastres.....	.....	22.45	75% copper, 25% nickel.....	40.00	2.10
25 piastres.....	4,035	15.50	.....do.....	32.00	2.10
10 piastres.....	500,000	10.00	.....do.....	27.70	1.89
5 piastres.....	500,000	5.00	.....do.....	23.60	1.30
2 piastres.....	.....	2.00	.....do.....	17.50	0.95
Do.....	500,000	3.00	.....do.....	20.00	1.10
10 milliemmes.....	.....	5.00	95% copper, 4% tin, 1% zinc.	( <sup>2</sup> )	1.15
Do.....	5,160,000	5.00	72% copper, 28% zinc.....	( <sup>2</sup> )	1.15
5 milliemmes.....	.....	3.24	95% copper, 4% tin, 1% zinc.	21.20	1.10
Do.....	.....	4.16	.....do.....	( <sup>3</sup> )	1.15
Do.....	5,882,000	3.24	72% copper, 28% zinc.....	21.20	1.10
2 milliemmes.....	.....	3.20	95% copper, 4% tin, 1% zinc.	( <sup>4</sup> )	1.10
1 millieme.....	.....	1.79	.....do.....	16.00	1.00
Total.....	12,546,035				

<sup>1</sup> 1976 coinage was manufactured by the Sudan Mint. The 25, 10, 5, and 2 piastres, 760,000 10 milliemmes, and 1,132,000 5 milliemmes were FAO coins. Coins were dated as follows: All 25 piastres, 1967; 2,200,000 10 milliemmes and 1,132,000 5 milliemmes, 1975; all others, 1976.

<sup>2</sup> Twelve scallops, measuring 25.5 mm. across scallops, 24.3 mm. inside scallops.

<sup>3</sup> Twelve scallops, measuring 22.8 mm. across scallops, 21.8 mm. inside scallops.

<sup>4</sup> Twelve scallops, measuring 20.2 mm. across scallops, 19.4 mm. inside scallops.

\*Milled edges: 50, 25, 10, 5, and 2 piastre coins. Smooth edges: 10, 5, 2, and 1 millieme coins.

## SURINAM

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 guilders <sup>2</sup> .....	10,000	6.72	900 gold, 100 copper .....	22.50	1.30
25 guilders <sup>2</sup> .....	75,000	26.00	925 silver, 75 copper .....	38.00	2.70
10 guilders <sup>2</sup> .....	100,000	16.00	.....do.....	33.00	2.20
25 cents .....	3,000,000	3.50	75% copper, 25% nickel .....	20.00	1.50
10 cents .....	3,000,000	2.00	.....do.....	16.00	1.40
5 cents <sup>3</sup> .....	1,700,000	1.20	97.25% aluminum, 2.5% magne- sium, 0.25% chrome.	18.00	1.75
1 cent .....	3,000,000	.80	.....do.....	18.00	1.60
Total .....	10,885,000				

<sup>1</sup> 1976 coinage, manufactured by the Netherlands Government Mint, was dated 1976.

<sup>2</sup> Commemorates first anniversary of Surinam's independence.

<sup>3</sup> Square coin with rounded corners.

\*Reeded edges: 100 guilders, 25, and 10 cents. Smooth edges: 5 and 1 cent coins. Lettered edges: 25 and 10 guilders.

*Previous issues of coins of Surinam also outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 guilder .....	10.00	720 silver, 280 copper .....	28.00	2.00
25 cents .....	3.60	640 silver, 360 copper .....	19.00	1.70
10 cents .....	1.40	.....do.....	15.00	1.10
5 cents (square, rounded corners) ...	4.20	64% copper, 21% zinc, 15% nickel	( <sup>1</sup> )	1.80
Do .....	4.00	79% copper, 20% zinc, 1% nickel	( <sup>1</sup> )	1.80
1 cent .....	2.50	94% copper, 1% tin, 5% zinc .....	19.00	1.40
Do .....	2.50	95% copper, 4% tin, 1% zinc .....	19.00	1.40
Do .....	2.50	70% copper, 30% zinc .....	19.00	1.40

<sup>1</sup> Across flats, 18 mm. Across corners, 21.3 mm.

\*Lettered edge: 1 guilder. Milled edges: 25 and 10 cents. Smooth edge: 1 cent.

## SWAZILAND

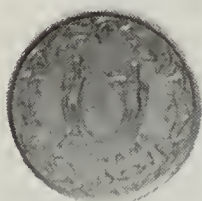
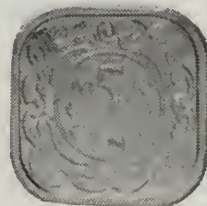
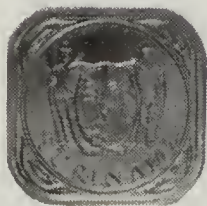
Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 lilangeni .....	100,548	11.66	75% copper, 25% nickel .....	30.00	n.a.
Luhlanga .....	.....	n.a.	800 silver, 200 copper .....	32.50	n.a.
50 cents .....	548	8.76	75% copper, 25% nickel .....	28.50	n.a.
20 cents .....	548	5.55	.....do.....	25.20	n.a.
10 cents .....	548	3.63	.....do.....	22.00	n.a.
5 cents .....	548	2.11	.....do.....	18.50	n.a.
2 cents .....	548	2.79	97% copper, 2.5% zinc, 0.5% tin.	18.60	n.a.
1 cent .....	548	2.05	.....do.....	17.78	n.a.
Total .....	103,836				

<sup>1</sup> 1976 coinage was made by mints in the United Kingdom. Coins for general circulation bore the year 1976. Production included 548 proof coins of each denomination dated 1974.

\*Reeded edge: 1 lilangeni. Smooth edges: All other denominations.

n.a. Not available.

NOTE.—Coins of South Africa circulate in Swaziland.





## SWEDEN

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 kronor <sup>2</sup> .....	380,156	27.00	925 silver, 75 copper .....	36.00	3.00
10 kronor .....	.....	8.07	830 silver, 170 copper .....	32.00	2.20
5 kronor .....	.....	18.00	400 silver, 500 copper, 50 nickel, 50 zinc.	34.00	2.58
Do .....	213,303	9.50	Clad coin: Outer layers 75% copper, 25% nickel bonded to a core of pure nickel.	28.50	2.00
2 kronor .....	.....	13.30	75% copper, 25% nickel .....	31.00	2.42
1 krona .....	68,996,826	7.00	Clad coin. Outer layers 75% copper, 25% nickel, bonded to a core 97% copper, 3% nickel.	25.00	1.88
50 ore .....	39,876,676	4.50	75% copper, 25% nickel .....	22.00	1.61
25 ore .....	53,698,072	2.18	.....do.....	17.00	1.36
10 ore .....	49,244,820	1.44	.....do.....	15.00	1.14
5 ore .....	.....	8.00	95% copper, 4% tin, 1% zinc.	27.00	1.93
Do .....	7,464,980	2.68	.....do.....	18.00	1.44
2 ore .....	.....	4.00	.....do.....	21.00	1.61
1 ore .....	.....	2.00	.....do.....	16.00	1.39
Total .....	219,874,833				

<sup>1</sup> The 1976 coinage was made by the Government Mint of Sweden. All 5 ore coins bore the year 1973. Other coins were dated as follows:

	1973	1975	1976
50 kronor .....	.....	265,914	114,242
5 kronor .....	108,350	.....	104,953
1 kronor .....	68,426,081	.....	570,745
50 ore .....	39,432,948	.....	443,728
25 ore .....	53,244,500	.....	453,572
10 ore .....	48,549,780	.....	695,040

<sup>2</sup> Consists of 265,914 coins commemorating the Swedish Constitution Act and 114,242 coins honoring the wedding of King Carl XVI Gustaf and Queen Silvia.

\*Reeded edges: 2 kronor and 1 krona. Smooth edges: 50 kronor, clad 5 kronor, 50, 25, 10, 5, 2, and 1 ore coins. Lettered edge: Silver 5 kronor coin.

*Previous issues of Swedish coins also outstanding in 1976*

Denomination and type of edge	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 kronor (reeded) .....	25.00	900 silver, 100 copper .....	36	2.80
5 kronor (smooth) .....	22.88	400 silver, 500 copper, 50 nickel, 50 zinc.	36	2.80
2 kronor (smooth) .....	15.00	800 silver, 200 copper .....	31	2.44
Do .....	14.00	400 silver, 500 copper, 50 nickel, 50 zinc.	31	2.42
1 krona (smooth) .....	7.50	800 silver, 200 copper .....	25	1.91
Do .....	7.00	400 silver, 500 copper, 50 nickel, 50 zinc.	25	1.88
50 ore (smooth) .....	5.00	600 silver, 400 copper .....	22	1.71
Do .....	4.80	400 silver, 500 copper, 50 nickel, 50 zinc.	22	1.61
50 ore (reeded) .....	4.80	75% copper, 25% nickel .....	22	1.80
25 ore (smooth) .....	2.42	600 silver, 400 copper .....	17	1.43
Do .....	2.32	400 silver, 500 copper, 50 nickel, 50 zinc.	17	1.36
25 ore (reeded) .....	2.40	75% copper, 25% nickel .....	17	1.46
10 ore (smooth) .....	1.45	400 silver, 600 copper .....	15	1.14
Do .....	1.44	400 silver, 500 copper, 50 nickel, 50 zinc.	15	1.14
10 ore (reeded) .....	1.50	75% copper, 25% nickel .....	15	1.21

\*See denomination column.



Coinage of Sweden

## SWITZERLAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 francs .....	4,614,030	13.2	75% copper, 25% nickel.....	31	2.55
2 francs .....	5,011,130	8.8	.....do.....	27	2.15
1 franc .....	5,009,130	4.4	.....do.....	23	1.60
½ franc .....	10,009,130	2.2	.....do.....	18	1.35
20 centimes.....	23,150,130	4.0	.....do.....	21	1.80
10 centimes.....	19,012,630	3.0	.....do.....	19	1.50
5 centimes.....	12,005,130	2.0	.....do.....	17	1.30
2 centimes.....	.....	3.0	95% copper, 4% tin, 1% zinc.	20	1.35
1 centime.....	3,005,130	1.5	.....do.....	16	1.15
Total.....	81,816,440				

<sup>1</sup> 1976 coinage made by Swiss Federal Mint, bore the year 1976.

\*Lettered edge: 5 francs. Reeded edges: 2 francs, 1, and ½ franc. Smooth edges: 20, 10, 5, 2, and 1 centime coins.

*Previous issues of Swiss coins outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 centimes.....	4.00	Pure nickel.....	21	1.80
10 centimes.....	3.00	.....do.....	19	1.50
5 centimes.....	2.00	.....do.....	17	1.30

\*Smooth edges: 20, 10, and 5 centimes.

## SYRIAN ARAB REPUBLIC

## TANZANIA, UNITED REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,500 shilingi <sup>2</sup> .....	50	33.44	900 gold.....	34.00	2.49
50 shilingi <sup>2</sup> .....	.....	35.00	925 silver, 75 copper.....	42.00	2.87
Do <sup>2</sup> .....	.....	31.65	500 silver, 500 copper.....	42.00	2.87
25 shilingi <sup>2</sup> .....	.....	28.28	925 silver, 75 copper.....	38.61	2.75
Do <sup>2</sup> .....	.....	25.31	500 silver, 500 copper.....	38.61	2.75
5 shilingi <sup>3</sup> .....	1,000,200	13.48	75% copper, 25% nickel.....	( <sup>3</sup> )	n.a.
1 shilingi.....	.....	8.00	.....do.....	27.74	n.a.
50 senti.....	.....	4.00	.....do.....	20.96	n.a.
20 senti.....	10,000,000	5.00	79% copper, 20% zinc, 1% nickel.	24.00	n.a.
5 senti.....	37,500,000	4.00	97% copper, 2.5% zinc, 0.5% tin.	22.48	n.a.
Total.....	48,500,250				

<sup>1</sup> 1976 coinage by Royal Mint, London. The 1,500 shilingi were dated 1974, while the 5 shilingi bore 1966-1976. The remaining coins were dated 1976.

<sup>2</sup> Part of World Wildlife conservation series, calling attention to endangered species of wildlife.

<sup>3</sup> 10-sided coin alternate milled and plain sides, measuring 31.4 mm. across flats and 33 mm. across corners. Honors the 10th anniversary of the Bank of Tanzania. Includes 200 proof coins.

\*Milled edges: 1,500, 50, 25, and 1 shilingi; 50 senti. Smooth edges: 20 and 5 senti.

n.a. Not available.



## THAILAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Regular:					
5 baht.....	12,663,000	9.00	75% copper, 25% nickel.....	27.00	n.a.
1 baht.....	71,085,000	7.00	.....do.....	25.00	1.51
50 stangs.....	92,000	4.50	91% copper, 9% aluminum....	23.00	1.48
25 stangs.....	58,784,000	2.50	.....do.....	20.50	1.20
10 stangs.....	550,000	1.75	.....do.....	17.50	1.16
5 stangs.....	.....	1.25	.....do.....	15.00	1.10
1 stang.....	160,000	1.20	90% tin, 10% copper.....	15.00	.98
Subtotal.....	143,334,000				
Commemorative:					
2,500 baht <sup>2</sup> .....	259	33.43	900 gold, 100 silver.....	34.00	2.49
800 baht.....	.....	20.00	900 gold, 30 silver, 70 copper.	30.00	1.75
400 baht.....	.....	10.00	.....do.....	23.00	1.50
150 baht <sup>3</sup> .....	200,000	22.00	925 silver, 75 copper.....	35.00	n.a.
100 baht <sup>2</sup> .....	.....	35.00	925 silver.....	42.00	2.87
Do <sup>2</sup> .....	5,650	35.00	500 silver, 500 copper.....	42.00	2.87
50 baht.....	.....	25.00	900 silver, 100 copper.....	40.00	2.05
Do.....	.....	25.00	400 silver, 500 copper, 100 nickel.	38.00	n.a.
Do <sup>2</sup> .....	.....	28.28	925 silver.....	38.61	2.75
Do <sup>2</sup> .....	5,850	28.28	500 silver, 500 copper.....	38.61	2.75
10 baht.....	.....	5.00	800 silver, 200 copper.....	20.50	1.60
1 baht.....	.....	7.50	75% copper, 25% nickel.....	27.00	1.51
Do <sup>4</sup> .....	10,540,000	7.00	.....do.....	25.00	n.a.
Subtotal.....	10,751,759				
Grand total...	154,085,759				

<sup>1</sup> Coinage was made by the Royal Mint of Thailand, except as noted in footnote 2. Dates on coins are: 5 baht B.E. 2515 (1972); 1 baht, B.E. 2517 (1974); 50, 25, 10, and 5 stangs, B.E. 2500 (1957); and, 1 stang coins B.E. 2485 (1942).

<sup>2</sup> Believed to be part of the World Wildlife conservation series, calling attention to endangered species of wildlife. Produced by mints in the United Kingdom, included proof coins, and dated 1975.

<sup>3</sup> Commemorates 75th birthday of the Princess Mother.

<sup>4</sup> Consists of 9,000,000 coins in honor of the Princess Mother's 75th birthday, and 1,540,000 FAO coins. Both were dated B.E. 2518 (1975).

\*Reeded edges: All denominations, except the 400 silver 50 baht and 5 baht coins which have smooth edges.

n.a. Not available.

TOGO, REPUBLIC OF—See Africa, West—Etats de l'Afrique Occidentale

## TONGA

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins: <sup>1</sup>					
100 pa'anga .....	10	20.00	917 gold, 83 copper .....	30.00	1.85
75 pa'anga .....	10	15.00	.....do.....	26.00	1.85
50 pa'anga .....	10	10.00	.....do.....	23.50	1.50
25 pa'anga .....	10	5.00	.....do.....	20.00	1.00
20 pa'anga .....	436	140.00	Pure silver .....	62.00	5.25
10 pa'anga .....	2	62.00	.....do.....	50.50	3.50
5 pa'anga .....	2	31.00	.....do.....	38.80	3.00
Subtotal .....	480				
Regular issue:					
2 pa'anga.....		42.12	75% copper, 25% nickel.....	45.01	3.30
1 pa'anga.....		23.98	.....do.....	38.74	2.72
50 seniti .....		14.58	.....do.....	31.65	2.64
20 seniti .....		11.31	.....do.....	28.54	2.41
10 seniti .....		5.66	.....do.....	23.60	1.90
5 seniti .....		2.83	.....do.....	19.41	1.45
2 seniti .....		3.89	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 seniti .....		1.75	.....do.....	17.53	1.14
Subtotal .....					
Total .....	480				

<sup>1</sup> Coins commemorating the 100th anniversary of the Tongan Constitution were produced by the Netherlands Mint, Utrecht, and dated 1975.

\*Milled edges: All commemorative coins. Edges of regular issue coins not available.

## TRINIDAD AND TOBAGO

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dollars <sup>2</sup> .....	227	35.12	925 silver.....	42.00	2.89
Do .....	150	35.12	75% copper, 25% nickel.....	42.00	2.89
5 dollars <sup>2</sup> .....	186	29.81	925 silver.....	40.00	2.31
Do .....	300	29.81	75% copper, 25% nickel.....	40.00	2.31
1 dollar.....	1,500	18.37	.....do.....	36.00	n.a.
50 cents .....	753,000	7.07	.....do.....	26.00	1.85
25 cents .....	9,006,000	3.53	.....do.....	20.00	1.63
10 cents .....	14,735,000	1.41	.....do.....	16.26	1.02
5 cents .....	7,530,000	3.24	97% copper, 2.5% zinc, 0.5% tin.	21.21	1.35
1 cent .....	15,200,000	1.94	.....do.....	17.78	1.14
Total.....	47,226,363				

<sup>1</sup> 1976 coinage was made for Trinidad and Tobago by the United Kingdom and The Franklin Mint and was dated 1976. Denominations from \$10 through 1 dollar produced by Franklin Mint; production of other denominations was allocated as shown below:

	Royal Mint	Franklin Mint
50 cents .....	750,000	3,000
25 cents .....	9,000,000	6,000
10 cents .....	14,720,000	15,000
5 cents .....	7,500,000	30,000
1 cent .....	15,050,000	150,000

<sup>2</sup> Proof coins.

\*Milled edges: \$10, \$5, \$1, 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

n.a. Not available.



Coinage of Trinidad and Tobago



## TUNISIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dinars .....	2,000	18.81	900 gold.....	28.00	n.a.
5 dinars .....	201,000	24.00	680 silver.....	35.00	n.a.
1 dinar .....		18.00	680 silver, 320 copper.....	32.00	n.a.
Do .....		7.50	Mixed metals <sup>2</sup> .....	27.00	n.a.
½ dinar.....		6.00	....do.....	25.00	n.a.
Do .....		12.00	Pure nickel.....	29.00	n.a.
100 millimes.....		7.50	69% to 72% copper, 31% to 28% zinc.	27.00	n.a.
50 millimes.....		6.00	....do.....	25.00	n.a.
20 millimes.....		4.50	....do.....	12.00	n.a.
10 millimes.....		3.50	....do.....	29.00	n.a.
5 millimes.....		1.50	95.35% aluminum, 4% magne- sium, 0.6% manganese, .05% copper.	24.00	n.a.
2 millimes.....		1.00	....do.....	21.00	n.a.
1 millime.....		.65	....do.....	18.00	n.a.
Total .....	203,000				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1956-1976. Believed to commemorate the 20th anniversary of Tunisian independence.

<sup>2</sup> Alloy unknown.

\*Reeded edges: All denominations except the 10 and 5 dinars which had lettered edges.

n.a. Not available.

NOTE.—The Dinar is the monetary unit, divided into 1,000 millimes.

## TURKEY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 lira .....	23,635,000	11.00	Stainless steel (17% chrome)...	32.50	1.73
2½ lira.....		12.00	....do.....	30.00	2.70
Do .....	6,816,000	9.00	....do.....	30.00	1.64
1 lira .....	28,952,000	7.00	....do.....	27.00	1.57
50 kurus .....	40,996,000	6.00	....do.....	25.40	1.55
25 kurus.....		4.00	....do.....	22.50	1.75
10 kurus.....		2.50	97% copper, 2.5% zinc, 0.5% tin.	21.00	1.50
Do .....	738,000	1.35	Pure aluminum.....	21.00	1.50
5 kurus.....		1.35	97% copper, 2.5% zinc, 0.5% tin.	17.00	1.30
Do .....	1,321,000	.90	Pure aluminum.....	17.00	1.50
1 kurus.....		1.00	97% copper, 2.5% zinc, 0.5% tin.	14.00	.85
Do .....	200,000	.40	Pure aluminum.....	14.00	1.00
Total.....	102,658,000				

<sup>1</sup> The 1976 coinage, made by the Turkish Government Mint, bears the date 1976.

\*Incuse lettered edges: 5, 2½ liras, 1 lira, 25, and 50 kurus. Smooth edges: 10, 5, and 1 kurus.

*Previous issues of Turkish coins also outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 kurus.....	4.50	70% copper, 30% zinc .....	22.60	1.35
10 kurus.....	2.75	....do .....	18.00	1.35
5 kurus.....	2.25	....do .....	16.00	1.35

\*Lettered edges.

TURKS AND CAICOS ISLANDS

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 crowns <sup>2</sup> .....	2,264	12.44	500 gold.....	27.00	2.15
Do <sup>3</sup> .....	600	18.02	.....do.....	33.00	1.98
50 crowns <sup>4</sup> .....	5,975	9.00	.....do.....	25.00	1.70
Do <sup>5</sup> .....	5,766	6.22	.....do.....	21.50	1.70
Do <sup>3</sup> .....	4,000	55.08	925 silver.....	50.00	3.05
25 crowns <sup>2</sup> .....	3,367	4.50	500 gold.....	45.00	1.68
20 crowns <sup>6</sup> .....	44,776	38.88	925 silver.....	45.00	2.79
10 crowns <sup>2</sup> .....	4,185	29.81	.....do.....	40.00	2.82
5 crowns <sup>2</sup> .....	1,760	24.30	500 silver.....	38.00	2.74
1 crown <sup>2</sup> .....	1,960	19.44	75% copper, 25% nickel.....	36.00	2.08
Total.....	74,653				

<sup>1</sup> 1976 coinage was produced by the Royal Canadian Mint.

<sup>2</sup> This issue of coins, dated 1975, is believed to honor the Age of Exploration. The 100, 50, 25, and 20 crown denominations spotlight voyages of special significance to Turks and Caicos. The three lower denominations bear designs related to the life of the Islands.

<sup>3</sup> Coins dated 1976 honoring Queen Victoria with four portraits of Her Majesty on the reverse.

<sup>4</sup> Coins, commemorating the 100th anniversary of the birth of Sir Winston Churchill, were dated 1974.

<sup>5</sup> Consists of 2,440 1975-dated coins in the Age of Exploration series and 3,326 1976-dated coins commemorating the Bicentennial of the American Revolution.

<sup>6</sup> Consists of 3,806 1975-dated coins in the Age of Exploration series, the balance were dated 1976, of which 9,496 commemorated the Bicentennial and the remainder were Queen Victoria commemoratives.

\* Smooth edge: 50 crown Churchill coin. Security edges: All other denominations.

TUVALU

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar (9 sided).....	21,278	16.00	75% copper, 25% nickel.....	33.00	n.a.
50 cents.....	19,478	15.55	.....do.....	31.64	n.a.
20 cents.....	36,278	11.31	.....do.....	28.50	n.a.
10 cents.....	26,278	5.65	.....do.....	23.60	n.a.
5 cents.....	26,278	2.83	.....do.....	19.41	n.a.
2 cents.....	51,278	5.18	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 cent.....	93,278	2.59	.....do.....	17.53	n.a.
Total	274,146				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1976. Included 7,278 proof coins of each denomination.

\* Reeded edges: 20, 10, and 5 cents. Smooth edges: 1 dollar, 50, 2, and 1 cent coins.

n.a. Not available.

NOTE.—First distinctive coinage of Tuvalu (formerly the Ellice Islands), the Tuvalu monetary system is based on the Australian dollar standard.

## UGANDA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 shillings .....	.....	13.50	75% copper, 25% nickel.....	30.0	3.00
2 shillings .....	.....	11.66	.....do.....	30.1	2.31
1 shilling .....	5,500,000	6.67	.....do.....	26.0	1.80
Do .....	10,000,000	5.90	Cupronickel clad steel.....	26.0	n.a.
50 cents .....	2,000,000	4.50	75% copper, 25% nickel.....	22.0	1.78
Do .....	10,000,000	4.50	Cupronickel clad steel.....	22.0	n.a.
20 cents .....	.....	9.72	97% copper, 2.5% zinc, 0.5% tin.	28.4	2.18
10 cents .....	4,000,000	5.05	.....do.....	24.0	1.57
Do .....	10,000,000	4.50	Copper clad steel.....	24.0	n.a.
5 cents .....	2,000,000	3.24	97% copper, 2.5% zinc, 0.5% tin.	20.2	1.52
Do .....	10,000,000	2.90	Copper clad steel.....	20.2	n.a.
Total.....	53,500,000				

<sup>1</sup> 1976 coinage, made by mints in the United Kingdom, was dated as follows: Cupronickel 50 cents: 1974; cupronickel 1 shilling, bronze 10 and 5 cent coins: 1975; all clad coins: 1976.

\*Milled edges: 5, 2, and 1 shilling and 50 cents. Smooth edges: 5 shillings (7 lobes), 20, 10, and 5 cent pieces.  
n.a. Not available.

## UNITED ARAB EMIRATES

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dirham .....	3,500,000	11.31	75% copper, 25% nickel.....	28.50	n.a.
50 fils.....	2,400,000	6.50	.....do.....	25.00	n.a.
25 fils.....	3,200,000	3.50	.....do.....	20.00	n.a.
10 fils.....	2,800,000	7.50	97% copper, 2.5% zinc, 0.5% tin.	27.00	n.a.
5 fils <sup>2</sup> .....	3,200,000	3.75	.....do.....	22.00	n.a.
1 fil <sup>2</sup> .....	.....	1.50	.....do.....	15.00	n.a.
Total.....	15,100,000				

<sup>1</sup> 1976 coinage was struck by mints in the United Kingdom and bore the dates 1973-1993. The reverse designs on all denominations are similar, carrying the inscription "United Arab Emirates" in Arabic above and English below.

<sup>2</sup> For issue in connection with the FAO coin plan.

n.a. Not available.

NOTE.—Federation, United Arab Emirates, consists of Abu Dhabi, Ajman, Dubai, Fujairah, Sharjah, Umm al-Qawain, and Ras al Khaima.

## UNITED ARAB REPUBLIC (EGYPT)

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 pound .....	3,000	15.00	720 silver, 280 copper.....	35.00	n.a.
10 piastres .....	6,000,000	6.00	75% copper, 25% nickel.....	27.00	n.a.
5 piastres .....	4,000,000	4.50	.....do.....	25.00	n.a.
10 milliemmes .....	30,000,000	3.20	92% copper, 8% aluminum....	21.00	n.a.
5 milliemmes .....	20,000,000	2.00	.....do.....	18.00	n.a.
Total .....	60,003,000				

<sup>1</sup> 1976 coinage was produced at the Mint House, Cairo.

\* Reeded edges: 1 pound, 10, and 5 piastres. Smooth edges: 10 and 5 milliemmes.

n.a. Not available.



UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Decimal coins:					
50 new pence <sup>2</sup> .....	28,360,816	13.50	75% copper, 25% nickel.....	30.00	2.29
25 new pence <sup>3</sup> .....	65,152	28.28	925 silver.....	38.61	2.00
Do.....	61,998	28.28	75% copper, 25% nickel.....	38.61	2.00
10 new pence.....	197,700,113	11.31	.....do.....	28.50	2.31
5 new pence.....	3,609,113	5.65	.....do.....	23.60	1.73
2 new pence.....	179,841,113	7.12	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.80
1 new penny.....	246,005,113	3.56	.....do.....	20.32	1.52
½ new penny.....	221,957,113	1.78	.....do.....	17.15	1.12
Subtotal <sup>4</sup> .....	877,600,531				
Pound-shilling-pence coins:					
Sovereign (1 pound)	850,000	7.99	916⅔ gold, 83⅓ copper.....	22.05	1.63
Subtotal.....	850,000				
Maundy money: <sup>5</sup>					
Fourpence.....	1,132	1.89	925 silver, 75 copper.....	17.63	1.02
Threepence.....	1,132	1.41	.....do.....	16.26	.94
Twopence.....	1,138	.94	.....do.....	13.44	.89
Penny.....	1,240	.47	.....do.....	11.15	.69
Subtotal.....	4,642				
Total.....	878,455,173				

<sup>1</sup> 1976 coinage was made by mints in the United Kingdom. Production included 1,703 proof EEC 50-pence coins dated 1973. Coins for general circulation were dated as follows: 6,301,703 50-pence were dated 1973, the balance 1976; the cupronickel 25-pence were dated 1972; 33,346,000 10 pence bore 1975, the balance 1976; all 5 and 2 pence coins as well as all 1 and ½ penny coins were dated 1975. The gold sovereigns were dated 1975.

<sup>2</sup> The coin is 7-sided (an equilateral curve heptagon).

<sup>3</sup> Coins commemorate Silver Jubilee of Queen Elizabeth II and bear years 1952-1977.

<sup>4</sup> In addition to those segregated in footnote 1, includes proof coins of each decimal denomination, except 25 pence in quantities and dates indicated below:

<i>Coins</i>	<i>Date</i>
61,998 .....	1972
59,765 .....	1973
63,402 .....	1974
62,537 .....	1975
61,411 .....	1976

<sup>5</sup> Minted for special distribution of the Royal Maundy at Westminster Abbey on Maundy Thursday, dated 1976.

\*Plain edges: 50p, 2p, 1p, ½p, and all Maundy coins. Milled edges: 25p, 10p, and 5p. Milling of the edge of the sovereign has approximately 105 serrations, 7½ thousandths of an inch deep.

NOTE.—United Kingdom coins also circulate in: The Bahama Islands, Bermuda, the eastern group of Caribbean Territories, the Falkland Islands, Gibraltar, Guernsey, Guyana, the Isle of Man, Jamaica, Jersey, and Malta which have their own coins.

UPPER VOLTA, REPUBLIC OF—See Africa, West

## URUGUAY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
New peso series: <sup>2</sup>					
5 new pesos <sup>3</sup> .....	300,000	14.50	92% copper, 6% aluminum, 2% nickel.	33.00	2.40
1 new peso <sup>4</sup> .....	15,540,000	11.00	.....do.....	29.00	2.40
50 centesimos <sup>4</sup> .....	10,000,000	7.00	.....do.....	25.00	2.00
20 centesimos <sup>4</sup> .....	10,000,000	5.00	.....do.....	21.50	1.90
10 centesimos <sup>4</sup> .....	47,400,000	3.00	.....do.....	18.50	1.50
Subtotal.....	83,240,000				
Old peso series:					
100 pesos .....		8.00	70% copper, 20% nickel, 10% zinc.	27.50	1.40
50 pesos .....		5.25	70% copper, 15% nickel, 15% zinc.	24.50	1.30
20 pesos .....		3.75	.....do.....	21.50	1.22
10 pesos .....		4.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.24
Subtotal.....					
Total .....	83,240,000				

<sup>1</sup> 1976 coinage was manufactured by the Chilean Government Mint and was dated 1976.

<sup>2</sup> The new peso, equivalent to 1,000 old pesos, was established by Uruguayan Law #14,316 and Presidential Decree #427/75 and has been in use since July 1, 1975. Coins in the old peso series will be progressively withdrawn from circulation and replaced by new coins and bills.

<sup>3</sup> Commemorates Bruno Mauricio de Zabala, founder of the city of Montevideo. Produced in 1976 for release in mid-1977.

<sup>4</sup> 12-sided coins. Released to the public in late 1976.

\*Smooth edges: Old 10 pesos, new 1 peso, 50, 20, and 10 centésimos. Reeded edges: Other denominations.

## VATICAN CITY

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 Vatican lire.....	162,000	11.00	835 silver, 165 copper.....	29.00	2.10
100 Vatican lire.....	808,000	8.00	"Acmonital" (Steel containing 18% chrome).	27.80	2.00
50 Vatican lire.....	600,000	6.25	.....do.....	24.80	2.00
20 Vatican lire.....	250,000	3.60	"Bronzital" (91.6% copper, 8% aluminum, 0.4% titanium).	21.30	1.50
10 Vatican lire.....	200,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.30	1.65
5 Vatican lire.....	150,000	1.00	.....do.....	20.20	1.40
2 Vatican lire.....	150,000	.80	.....do.....	18.30	1.45
1 Vatican lira.....	150,000	.63	.....do.....	17.20	1.20
Total .....	2,470,000				

<sup>1</sup> 1976 coinage, made by the Italian Government Mint, was dated 1976.

\*Lettered edge: 500 lire. Serrated edges: 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lira coins.



Coinage of Uruguay



## VENEZUELA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 bolivars <sup>2</sup> .....	3,351	33.44	900 gold, 100 silver .....	34.00	2.49
500 bolivars .....		18.00	.....do.....	30.00	n.a.
50 bolivars <sup>2</sup> .....	10,008	35.00	925 silver, 75 copper .....	42.00	2.87
25 bolivars <sup>2</sup> .....	9,408	28.28	.....do.....	38.61	2.75
10 bolivars .....		30.00	900 silver .....	39.00	3.15
2 bolivars .....		8.50	Pure nickel .....	27.00	2.00
1 bolivar .....		5.00	.....do.....	23.00	1.70
½ bolivar .....		3.50	.....do.....	20.00	1.40
¼ bolivar .....		1.75	.....do.....	17.00	0.90
12½ centimos .....		5.00	75% copper, 25% nickel .....	23.00	1.65
10 centimos .....		4.00	.....do.....	21.00	1.52
5 centimos .....		2.50	.....do.....	19.00	1.17
Do .....	200,000,000	2.00	90% steel, copper clad .....	18.00	1.20
Total .....	200,022,767				

<sup>1</sup> The 5 centimos were produced by an unspecified foreign mint and dated 1976. Other coins, produced by mints in the United Kingdom, were dated 1975.

<sup>2</sup> Part of the World Wildlife Conservation series drawing attention to endangered species of wildlife.

\*Milled edges: 1,000, 500, 50, 25, 2, 1, ½, and ¼ bolivars. Smooth edges: 12½, 10, and 5 centimos. Lettered edge: 10 bolivars.

n.a. Not available.

## VIETNAM

Denomination	Coinage in 1976	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 piastres (10 dong) <sup>1</sup> .....		5.00	90% steel nickel clad .....	25.50	1.27
Do .....		5.50	75% copper, 25% nickel .....	25.50	n.a.
5 piastres (5 dong) <sup>1</sup> .....		4.00	90% steel nickel clad .....	24.50	1.09
1 piastre (1 dong) .....		4.00	75% copper, 25% nickel .....	22.50	n.a.
50/100 piastres .....		3.80	96.5% aluminum, 3.5% magne- sium.	31.00	n.a.
Do .....		3.50	95% aluminum, 5% magnesium	31.00	2.36
Do (50 xu) .....		3.10	Aluminum .....	30.00	1.62
20/100 piastre .....		2.20	95% aluminum, 5% magnesium	27.00	2.06
10/100 piastre .....		1.30	.....do.....	23.00	1.70
Total .....					

<sup>1</sup> Coin has eight scallops.

\*Reeded edges: 10 and 1 dong coins. Smooth edge: 5 dong.

n.a. Not available.

## WESTERN SAMOA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 tala .....	4,500	15.55	916.6 gold, 83.4 silver .....	28.50	1.80
1 tala .....	10,171	31.47	925 silver .....	38.74	3.05
Do .....	69,141	27.22	75% copper, 25% nickel .....	38.74	3.05
50 sene .....		14.13	.....do.....	32.30	2.43
20 sene .....		11.31	.....do.....	28.50	2.41
10 sene .....		5.66	.....do.....	23.60	1.90
5 sene .....		2.83	.....do.....	19.41	1.45
2 sene .....		3.24	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.40
1 sene .....		1.75	.....do.....	17.53	1.14
Total .....	83,812				

<sup>1</sup> 1976 coinage, manufactured by the Royal Australian Mint, was dated 1976.

\*Milled edges: 100 tala, 50, 20, 10, and 5 sene. Smooth edges: 1 tala, 2 and 1 sene.

NOTE.—Western Samoa's monetary unit, the Tala, is divided into 100 Sene.

## WINDWARD ISLANDS, PACIFIC GROUP—See French Polynesia

## YEMEN ARAB REPUBLIC

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rial .....	30,000,000	8.00	75% copper, 25% nickel.....	28.00	n.a.
50 fils.....	4,035	5.25	.....do.....	24.00	n.a.
25 fils.....	4,035	3.00	.....do.....	20.00	n.a.
10 fils.....	4,035	4.23	63% copper, 37% zinc.....	23.00	n.a.
5 fils.....	4,035	2.80	.....do.....	21.00	n.a.
1 fil.....	4,035	.60	Aluminum .....	15.00	n.a.
Total.....	30,020,175				

<sup>1</sup> Coinage, produced by mints in the United Kingdom, was dated 1974, except for the 1 rial pieces which were dated 1976.

\*Reeded edges: 1 rial, 50 and 25 fils. Smooth edges: All other denominations.

n.a. Not available.

## YEMEN, THE PEOPLE'S DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 fils.....	.....	9.07	75% copper, 25% nickel.....	27.74	n.a.
25 fils.....	2,000,000	4.54	.....do.....	20.96	n.a.
5 fils.....	.....	4.50	79% copper, 20% zinc, 1% nickel.	23.14	1.47
Do .....	.....	1.35	Aluminum .....	23.10	n.a.
2½ fils.....	.....	.67	.....do.....	17.00	n.a.
1 fil.....	.....	.78	97% aluminum, 3% magnesium.	19.81	n.a.
Total.....	2,000,000				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1976.

n.a. Not available.

\*Milled edges: 50 and 25 fils. Smooth edges: 5, 2½, and 1 fils.

NOTE.—The name of this area was changed from The People's Republic of Southern Yemen. The monetary unit remains the Southern Yemen Dinar, which is divided into 1,000 fils.

## YUGOSLAVIA

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dinars <sup>2</sup> .....	11,049,500	10.00	70% copper, 18% zinc, 12% nickel.	30.00	1.68
5 dinars .....	4,961,000	6.75	.....do.....	27.50	1.75
2 dinars .....	6,092,000	5.00	.....do.....	24.50	1.55
1 dinar .....	22,349,000	3.80	.....do.....	21.80	1.45
50 paras .....	8,438,000	6.00	85% copper, 14.5% zinc, 0.5% aluminum.	25.50	1.57
20 paras .....	33,312,000	4.00	.....do.....	23.20	1.32
10 paras .....	36,111,000	3.00	.....do.....	21.00	1.25
5 paras .....	30,490,000	1.50	.....do.....	16.00	1.15
Total.....	152,802,500				

<sup>1</sup> 1976 coinage manufactured by the Bureau of Money, Engraving and Printing, Belgrad. All coins were dated 1976.

<sup>2</sup> Includes 500,000 FAO coins.

\*Milled edges: All denominations.

*Previous issues of Yugoslavian coins outstanding in 1976*

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 dinar .....	6.00	91% copper, 9% aluminum.....	25.50	1.8
20 dinar .....	4.00	.....do.....	23.20	1.5
10 dinar .....	3.00	.....do.....	21.00	1.4

\*Milled edges: all denominations.

**ZAIRE**

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 zaires <sup>2</sup> .....	1,100	33.43	900 gold.....	34.00	2.49
5 zaires <sup>2</sup> .....	3,500	35.00	925 silver.....	42.00	2.87
2½ zaires <sup>2</sup> .....	3,500	28.28	.....do.....	33.61	2.75
20 makuta .....		13.00	75% copper, 25% nickel.....	31.00	2.20
10 makuta .....		9.00	.....do.....	28.00	2.00
5 makuta .....		6.50	.....do.....	25.00	1.50
1 likuta .....		1.25	97% aluminum, 3% magnesium	21.00	1.65
10 sengi.....		.70	.....do.....	16.99	1.50
Total .....	8,100				

<sup>1</sup> 1976 coinage, produced by mints in the United Kingdom, was dated 1975.

<sup>2</sup> Believed to be part of the World Wildlife Conservation series drawing attention to endangered species of wildlife.

\*Reeded edges: All denominations.

NOTE.—Prior to 1972 this country was known as the Democratic Republic of the Congo. The zaire is divided into 100 likuta (plural, makuta), and each likuta is divided into 100 sengi.

**ZAMBIA (formerly Northern Rhodesia)**

Denomination	Coinage in 1976 <sup>1</sup>	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 kwacha.....		28.28	75% copper, 25% nickel.....	38.60	n.a.
50 ngwee (12 sided) <sup>2</sup> ...	2,010,000	11.66	.....do.....	30.00	1.88
20 ngwee.....		11.31	60% copper, 20% nickel, 20% zinc.	28.50	2.26
10 ngwee.....		5.66	.....do.....	23.60	1.88
5 ngwee.....	2,000,000	2.83	.....do.....	19.41	1.42
2 ngwee.....		4.67	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.85
1 ngwee.....	10,000,000	2.33	.....do.....	17.51	1.45
Total.....	14,010,000				

<sup>1</sup> 1976 coinage, manufactured by mints in the United Kingdom, was dated 1972.

<sup>2</sup> Includes 10,000 FAO coins.

\*Milled edges: 1 kwacha, 20, 10, and 5 ngwee. Smooth edges: 50, 2, and 1 ngwee.

n.a. Not available.



WORLD MONETARY UNITS IN 1976

[The decimal system of money, with the monetary unit divided into 100 fractional units, prevails in each country except as noted. The form, capitalization, position, etc., of units and their symbols or abbreviations may vary from that shown according to custom, usage, type of machines used, or for other reasons. Plural forms regularly are made by adding the letter "s," except as noted]

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
United States of America .....	Dollar .....	\$	Cent .....	¢	
Afars and Issas .....	Djibouti franc.....	Dj. fr.	Centime.....		
Afghanistan .....	Afghani.....	Af.	Pul.....		
Africa, Equatorial States: Cameroun, Central African Empire, Chad, Congo (Brazzaville), and Gabon.	Communauté Financière Africaine franc.	CFA fr.	Centime.....		
Africa, West (Monetary Union): Benin, Ivory Coast, Niger, Senegal, Togo, and Upper Volta	Communauté Financière Africaine franc.	CFA fr.	Centime.....		
Albania .....	Lek.....		Qintar.....		
Algeria .....	Dinar.....	DA	Centime.....	Cme	
Andorra .....					
Angola, People's Republic of.....	Escudo .....	ESC. or \$	Centavo.....		Uses French and Spanish money. Symbol (\$) is placed between Escudos and Centavos. Example: 1\$00.
Argentina .....	Peso .....	\$	Centavo.....	ctv.	
Australia .....	Dollar .....	\$	Cent .....	c	
Austria .....	Schilling.....	S	Groschen .....	g	
Bahamas .....	Dollar .....	B\$	Cent .....	c	
Bahrain .....	Dinar .....	BD	Fils (fils).....		1 dinar = 1,000 fils.
Bangladesh .....	Taka.....	Tk.	Poisha.....		
Barbados .....	Dollar .....	BD\$	Cent .....	¢	
Belgium .....	Franc.....	F or BF	Centime.....	c	
Belize.....	Dollar .....	\$	Cent .....		
Bermuda.....	Dollar .....	BD\$	Cent .....	¢	

Bhutan .....	Ngultrum.....	.....	Chetrum.....	.....	Indian money is also in circulation.
Bolivia.....	Peso Boliviano.....	\$b	Cents.....	.....	
Botswana.....	Pula .....	P	Thebe.....	t	New monetary units issued Aug 23, 1976; South African money used previously.
Brazil.....	Cruzeiro.....	Cr.\$	Centavo.....	.....	100 stotinki = 1 lev.
Brunei.....	Dollar.....	.....	Sen (sen).....	.....	
Bulgaria.....	Lev.....	.....	Stotinki.....	.....	
Burma.....	Kyat.....	K	Pyas.....	P	
Burundi.....	Franc Burundi.....	F. Bu	.....	.....	
Cambodia.....	Riel.....	£	Sen (sen).....	.....	
Canada.....	Dollar.....	\$	Cent.....	¢	Symbol (\$) is placed between escudos and centavos, example: 1\$00.
Cape Verde, Republic of.....	Escudo.....	Esc. or \$	Centavo.....	.....	
Caribbean Territories, Eastern Group: Grenada, Montserrat, and five Asso- ciated States.....	East Caribbean Dollar.....	E.C.\$	Cent.....	¢	
Cayman Islands.....	Dollar.....	\$	Cent.....	¢	
Ceylon (see Sri Lanka).....	.....	.....	Centavo.....	¢	
Chile.....	Peso.....	\$	.....	.....	Peso system introduced Sept. 29, 1975. 1 peso = 1,000 escudos. 1 Yuan = 10 jiao = 100 fen.
China, People's Republic of.....	Yuan.....	.....	Jiao.....	.....	
China, Republic of.....	New Taiwan Dollar.....	NT \$	Cent.....	¢	
Colombia.....	Peso.....	\$ or P	Centavo.....	c., ¢, or Ctv.	
Comoros, Republic of.....	Communauté Financière Africaine franc.....	CFA fr.	Centime.....	.....	
Cook Islands.....	Dollar.....	\$	Cent.....	c	
Costa Rica.....	Colón (Colones).....	C or ¢	Centimo.....	¢	
Cyprus.....	Pound.....	cf	Mil.....	m	1 cf = 1,000 mills.
Czechoslovakia.....	Crown.....	Kcs	Heller.....	h	

## WORLD MONETARY UNITS IN 1976—Continued

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
Denmark .....	Krone (Kroner).....	Kr. or kr.	Ore (ore) .....	o	Danish money used in Faroe Islands & Greenland.
Dominican Republic.....	Peso Dominicano.....	RD \$	Centavo.....	ctv or ¢	
Ecuador .....	Sucre .....	S/.	Centavo.....	ctv.	Ethiopian Monetary and Banking Proclamation No. 99/1 1976 dd., Sept. 21, 1976, changed basic monetary unit to birr. United Kingdom coins also circulate.
El Salvador .....	Colón (Colones) .....	C or ¢	Centavo.....	¢	
Equatorial Guinea .....	Eukele.....	.....	.....	.....	
Ethiopia .....	Birr.....	Br. \$	Cent .....	ct	
Falkland Islands .....	Pound .....	.....	Pence .....	.....	Use metropolitan French coins.
Fiji .....	Dollar .....	\$	Cent .....	¢	
Finland .....	Markka .....	mk	Penni (pennia).....	p.	
France.....	Franc.....	F	Centime.....	C or Cme.	
French Guadeloupe, Guiana, and Martinique.....	.....	.....	.....	.....	
French Polynesia: Austral, Leeward, Marquesas and Windward Islands; and Tuámotu group.	Colonies Francaises du Pacifique franc.	CFP fr.	Centime.....	.....	
Gambia, The.....	Dalasi .....	.....	Butut.....	.....	*For both singular and plural forms.
Germany, Federal Republic of .....	Deutsche Mark* .....	DM	Pfennig* .....	Pf.	
Ghana .....	Cedi .....	NC	pesewa.....	P	Danish money is legal tender in Greenland.
Gibraltar .....	Pound .....	.....	Pence .....	.....	
Greece .....	Drachma .....	Dr.	Lepton (lepta).....	.....	
Greenland.....	.....	.....	.....	.....	
Guatemala.....	Quetzal (Quetzales) .....	Q	Centavo.....	¢	



Guernsey.....	Pound .....	.....	Pence .....	.....	.....	Symbol (\$) is placed between Escudos and Centavos. Example. 1 \$ 00.
Guinea-Bissau, Republic of .....	Escudos .....	Esc. or \$ .....	Centavo.....	.....	.....	
Guinea .....	Guinea Franc .....	FG .....	.....	.....	.....	
Guyana.....	Dollar .....	G\$ .....	Cent .....	¢	.....	
Haiti.....	Gourde .....	G .....	Centime.....	¢	.....	
Honduras.....	Lempira .....	L. ....	Centavo.....	¢ or cto.	.....	
Hong Kong.....	Dollar .....	HK\$ .....	Cent .....	¢	.....	
Hungary.....	Forint .....	Ft. ....	Fillér.....	Fill.	.....	
Iceland .....	Krona (Kronur).....	kr. or Kr. ....	Eyrir (aurar) .....	aur. or au.	.....	
India.....	Rupée .....	Re. (Rs.) .....	Paisa (paise) .....	p.	.....	
Indonesia .....	Rupiah .....	Rp. ....	Sen (sen) .....	.....	.....	
Iran.....	Rial.....	Rl. (Rls.) .....	Dinar .....	.....	.....	
Iraq.....	Dinar .....	ID .....	Fils (fils).....	.....	.....	1 dinar = 1,000 fils.
Ireland, Republic of .....	Pound .....	£ .....	Pence.....	P.	.....	
Isle of Man .....	Crown.....	.....	New Pence.....	P.	.....	
Israel .....	Lira (Pound).....	l£ .....	Agora (agorot).....	Ag.	.....	
Italy.....	Lira (Lire) .....	L. or Lit. ....	Centesimo .....	.....	.....	
			(centesimi).	.....	.....	
Jamaica.....	Dollar .....	\$ .....	Cent .....	c	.....	
Japan.....	Yen.....	Y .....	Sen (sen) Rin .....	.....	.....	
Jersey .....	Pound .....	.....	Pence.....	.....	.....	
Jordan.....	Dinar .....	J.D. ....	Fils (fils).....	FLS.	.....	1 dinar = 1,000 fils.
Kenya .....	Shilling.....	Sh. ....	Cent .....	ct.	.....	100 cents = 1 shilling.
Korea, Republic of .....	Won .....	W .....	Chon (chon) or Jeon.....	.....	.....	
Kuwait .....	Dinar .....	KD .....	Fils (fils).....	.....	.....	1 dinar = 1,000 fils.

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
Lebanon.....	Pound .....	L£ or LL	Piastre .....	LP or PL	U.S. money is also legal tender.
Lesotho .....	South African rand.....	R	Cent .....	c	
Liberia .....	Dollar (Liberian or United States).	\$	Cent .....	.....	
Libya.....	Dinar .....	L.D.	Dirham .....	.....	1,000 dirhams=1 dinar.
Liechtenstein.....	.....	.....	.....	.....	Uses Swiss money.
Luxembourg .....	Franc (Luxembourg or Belgian).	fr. or F	Centime.....	Ct.	
Macao.....	Pataca .....	\$	Avos .....	.....	At par with £ sterling. Previously known as Malaysian dollar and cents.
Madagascar, Democratic Republic of.	Franc Malgache .....	FMG	Centime.....	Ct.	
Malawi .....	Kwacha .....	K	Tambala .....	T	
Malaysia.....	Ringgit .....	\$	Sen.....	¢	100 cents=1 pound; 10 mils=1 cent. 5 khoums=1 ouguiya.
Maldives Republic.....	Rupee .....	.....	Lari .....	l	
Mali .....	Mali franc.....	MF	.....	.....	
Malta .....	Pound .....	£M	Cent .....	.....	Local coins and metropolitan French money circulate.
Mauritania, Islamic Republic of .....	Ouguiya .....	.....	Khoum .....	.....	
Mauritius.....	Rupee .....	Re	Cent .....	.....	
Mexico .....	Peso .....	\$	Centavo.....	¢	1 dirham=100 centimes. Centimes replaced francs from July 1974. Metica—Centimo system of currency introduced in 1975, year of Independence.
Monaco .....	New Franc (French) .....	NF	Centime.....	Cme	
Mongolian People's Republic.....	Tukhrik.....	.....	Mongo.....	.....	
Morocco .....	Dirham.....	DH	Centime.....	C	Metica—Centimo system of currency introduced in 1975, year of Independence.
Mozambique .....	Metica.....	.....	Centimo .....	.....	
Nepal.....	Rupee .....	Rs.	.....	.....	
Netherlands .....	Guilder.....	f.	Paisa .....	.....	Metica—Centimo system of currency introduced in 1975, year of Independence.
Netherlands Antilles (Curacao) .....	.....	.....	Cent .....	c	
.....	Guilder.....	NAF	Cent .....	ct.	

New Caledonia .....	Colonies Francaises du Pacifique franc.	CFP fr.	Centime.....	.....	.....
New Guinea .....	.....	.....	.....	.....	Australian currency used.
New Hebrides .....	New Hebrides franc.....	NH fr.	.....	.....	.....
New Zealand .....	Dollar .....	\$	Cent .....	c.	.....
Nicaragua .....	Cordoba .....	C\$	Centavo.....	¢	.....
Nigeria .....	Naira .....	N	Kobo.....	K.	.....
Norway .....	Krone (Kroner).....	Kr.	Ore (ore) .....	o	1 rial = 1,000 baizas.
Oman.....	Omani rial .....	ORI	Baiza.....	.....	.....
Pakistan .....	Rupee .....	Rs.	Paiza (paiza) .....	Ps.	.....
Panama, Republic of .....	Balboa.....	B/.	Centesimo .....	¢	U.S. money also circulates in Panama. New currency issued in March 1975 to replace Australian dollars as legal tender in Papua.
Papua New Guinea .....	Kina .....	.....	Toea .....	.....	.....
Paraguay .....	Guarani (Guaranies) .....	G	Centimo .....	ctmo.	.....
Peru .....	Sol (Soles) .....	S/.	Centavo.....	ct.	.....
Philippines .....	Piso.....	P	Sentimo (centavo).....	s, c	Since 1967 fractional coins have been in- scribed in Tagalog national Philippine language.
Poland.....	Zloty .....	Zl.	Grosz .....	Gr.	.....
Portugal .....	Escudo .....	Esc. or \$	Centavo.....	.....	Symbol (\$) is placed between escudos and centavos. (Example: 1\$00.)
Portuguese Timor .....	Escudo .....	Esc. or \$	Centavo.....	.....	Do.



## WORLD MONETARY UNITS IN 1976—Continued

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
Qatar .....	Riyal .....	QDR	Dirham .....	.....	
Reunion .....	Communauté Financière Africaine franc.	CFA fr.	Centime.....	.....	
Rhodesia .....	Dollar .....	Rh \$	Cent .....	c	
Romania, Socialist Republic of .....	Leu .....	n.a.	Bani .....	n.a.	
Rwanda, Republic of .....	Franc .....	FRW.	Cent .....	¢	
Saint-Pierre et Miquelon .....	Communauté Financière Africaine franc.	CFA fr.	Centime.....	.....	
San Marino .....	Lira .....	L.	n.a.	.....	
Sao Tome and Principe .....	Escudos .....	Esc.	Centavo.....	.....	
Saudi Arabia .....	Riyal .....	SR	Girsh.....	.....	
Seychelles .....	Rupee .....	Rs.	Cent .....	Cts	
Sierra Leone .....	Leone .....	Le.	Cent .....	c	
Singapore .....	Dollar .....	S\$	Cent .....	¢	
Somali Republic .....	Somali Shilling .....	Sh. So.	Cent .....	.....	
South Africa, Republic of .....	Rand .....	R	Cent .....	c	Coinage inscribed in Afrikaans and English.
Spain .....	Peseta .....	Pta. (Pts.)	Centimo .....	ctmo.	
Sri Lanka .....	Sri Lanka Rupee .....	SL. Rs.	Sri Lanka cent .....	SL. cts.	
Sudan, Republic of the .....	Pound .....	£S, LSd, or LS.	Piastre, millieme .....	m/m	1 Sudanese pound = 100 piastres = 1,000 milliemes.
Surinam .....	Guilder .....	Sf	Cent .....	ct (cts)	
Swaziland .....	Lilangeni and Luhlanga.	.....	Cent .....	.....	Coins of South Africa circulate.
Sweden .....	Krona (Kronor) .....	Kr. or kr.	Ore (ore) .....	.....	
Switzerland .....	Franc .....	Fr.	Centime.....	C.	
Syrian Arab Republic .....	Pound or Lira .....	L.S.	Piastre .....	P.S.	

Tanzania, United Republic of.....	Shilingi.....	sh.,shs.	Senti.....	stg.	.....	The baht is sometimes referred to as the tical.
Thailand.....	Baht.....	B, b	Stang.....	.....	.....	
Tonga.....	Pa'anga.....	.....	Seniti (seniti).....	.....	.....	
Trinidad and Tobago.....	Dollar.....	T&T\$	Cent.....	¢	.....	
Tunisia.....	Dinar.....	DT	Millime.....	M	.....	1 Dinar=1,000 millimes.
Turkey.....	Lira.....	TL	Kurus.....	Krs.	.....	
Turks and Caicos Islands.....	Crown.....	.....	Cent.....	.....	.....	Monetary system based on Australian dollar.
Tuvalu.....	Dollar.....	.....	Cent.....	.....	.....	Distinctive Ugandan coins were issued on Jan. 2, 1967.
Uganda.....	Shilling.....	Sh.	Cent.....	ct.	.....	Federation consists of Abu Dhabi, Ajman, Dubai, Fujairah, Sharjah, Umm al-Qawain, and Ras Al Khaima
United Arab Emirates.....	Dirham.....	.....	Fil.....	.....	.....	1 pound=100 piastres=1,000 milliemes.
United Arab Republic (Egypt).....	Pound.....	L.E.	Piastre, millieme... Pence.....	P.T. & Mill. p.	.....	The United Kingdom adopted the decimal system of currency on Feb. 15, 1971.
United Kingdom.....	Pound sterling.....	£	.....	.....	.....	The pound, retained as the monetary unit, is divided into 100 pence.
Uruguay.....	Peso.....	N\$	Centesimo.....	.....	.....	New peso, equivalent to 1,000 old pesos, has been in use since July 1, 1975.
Vatican City.....	Vatican Lira (Lire).....	L.	Centesimo (centesimi). Centimo..... Centime.....	c/or c .....	.....	The denominations of the coins are inscribed in "Dong."
Venezuela.....	Bolivar (Bolivars).....	B.	Sene.....	.....	.....	
Vietnam.....	Piastre.....	VN \$ or Pr	Fils.....	.....	.....	
Western Samoa.....	Tala.....	WS\$	Fils.....	.....	.....	1 dinar=1,000 fils
Yemen, Arab Republic.....	Dinar.....	.....	Para (para).....	.....	.....	
Yemen, People's Democratic Republic of.....	Dinar.....	.....	Likuta (makuta), sengi.	k, s	.....	1Z=100 k. 1 k=100 s.
Yugoslavia.....	Dinar (Dinars).....	Din.	Ngwee.....	n	.....	The decimal system of money was adopted Jan. 16, 1968, replacing the £/s./d. system.
Zaire.....	Zaire.....	Z	.....	.....	.....	
Zambia.....	Kwacha.....	K	.....	.....	.....	

n.a. Not available.

**Silver coins withdrawn from circulation in specified countries,  
calendar year 1976**

Country	Nominal value in monetary unit of issuing country	Silver content <sup>1</sup>
		<i>Fine ounces</i>
Australia.....	801,600 Australian dollars .....	n.a.
Canada.....	1,852 Canadian dollars.....	574
Finland .....	384,595 Finnish markka.....	17,783
Germany, Federal Republic of.....	500,817,140 Deutsche Mark.....	22,542,048
India .....	461,900 Indian rupees.....	17,700
Israel.....	379,500 Israeli pounds .....	11,866
Italy .....	3,000 Italian lire.....	2
Japan .....	16,814,200 Japanese yen .....	15,565
Mexico.....	10,150,000 Mexican pesos.....	496,000
Philippines.....	15,069 Philippine pesos.....	8,053
South Africa, Republic of.....	433 South African rand.....	402
Switzerland.....	1,368,680 Swiss francs .....	127,799
Total ounces.....	.....	23,237,792

<sup>1</sup> Approximate in some instances; not necessarily the actual amount of silver recovered or recoverable.  
n.a. Not available.

**Estimated quantity of gold and silver consumed for industrial, professional,  
and artistic purposes in specified countries during the calendar year 1976**

Country	Gold (fine troy ounces)	Silver (fine troy ounces)	Source and reference notes
United States.....	4,648,000	170,500,000	Gold: U.S. Government estimate by Dept. of the Interior, Bureau of Mines. Silver: Handy and Harman.
Argentina.....	11,667	2,353,750	Banco Central de la Republica Argentina.
Australia.....	n.a.	3,991,715	Official Government source.
Austria.....	96,099	169,820	Hauptpunzierungs-und Probieramt (Minting and Assay Office).
Belgium.....	412,500	n.a.	Private source and Royal Mint of Belgium.
Bolivia.....	322	n.a.	Banco Minero de Bolivia.
Canada.....	n.a.	n.a.	Statistics Canada.
Chile.....	n.a.	.....	Central Bank of Chile.
Colombia .....	21,048	117,392	Mint House and Bank of the Republic.
Ecuador .....	387	n.a.	Banco Central del Ecuador.
El Salvador .....	2,470	n.a.	Cooperativa de Joyeros y Relojeros de San Salvador and Banco Central de Reserva.
Finland .....	n.a.	n.a.	Bank of Finland.
France .....	1,189,577	19,001,077	Ministère de l'Industrie du Commerce et de l'Artisanat.

Footnote at end of table.



Estimated quantity of gold and silver consumed for industrial, professional,  
and artistic purposes in specified countries during the calendar year  
1976—Continued

Country	Gold (fine troy ounces)	Silver (fine troy ounces)	Source and reference notes
Germany, Federal Republic of.	2,685,678	50,813,992	Bundesamt für Gewerblich Wirtschaft, Frankfort am Main (Federal Office for Industry and Crafts).
Ghana .....	n.a.	.....	External Trade Statistics.
Guatemala .....	1,113	1,514	Records of Banco de Guatemala.
Guyana .....	n.a.	n.a.	Statistical Bureau, Ministry of Economic Development.
Haiti .....	6,400	n.a.	National Bank of Haiti.
Indonesia .....	12,798	33,842	P.T. Aneka Tambang.
Italy .....	26,688	204,554	Relazione Anno 1976.
Japan .....	n.a.	60,752,077	Ministry of International Trade and Industry.
Korea .....	87,964	1,983,121	Ministry of Commerce and Industry.
Libya .....	172,531	n.a.	Commercial Gold Section, Central Bank of Libya.
Malaysia .....	23,249	n.a.	Bank Negara Malaysia.
Mexico .....	450,824	7,100,000	Central Bank of Mexico.
Morocco .....	n.a.	.....	Office des Changes.
Netherlands .....	197,000	2,013,000	Director of Domestic Financial Affairs, Ministry of Finance.
New Zealand .....	4,314	122,988	Department of Statistics; Mines Department.
Nicaragua .....	516	.....	International Department, Banco Central de Nicaragua.
Norway .....	40,188	3,215,072	Norwegian Mint.
Pakistan .....	813	443	Pakistan Mint.
Peru .....	22,409	892,196	Banco Minero del Peru.
Portugal .....	224,330	775,549	Casa de Moeda, Lisbon.
Saudi Arabia .....	.....	98	Foreign Trade Statistics Yearbook, 1976.
South Africa, Republic of..	730	3,263	South African Treasury.
Spain .....	1,465,334	10,449,321	Sindicato Nacional de Metal.
Sri Lanka .....	n.a.	n.a.	Department of Small Industries and Central Bank of Ceylon.
Surinam .....	7,776	n.a.	Centrale Bank van Suriname and Comptroller of Customs. Includes sales by the Centrale Bank and new production.
Sweden .....	132,365	n.a.	Central Bank of Sweden.
Tunisia .....	16,106	286	Foreign Bank Services, Tunisian Central Bank.
Turkey .....	374,580	.....	Turkish Government Mint.
United Kingdom .....	2,141,385	28,100,000	Gold estimate compiled from submissions by members of the London gold market. Silver estimate: 1976 ANNUAL BULLION REVIEW, Samuel Montague and Co., Ltd.
Zaire .....	n.a.	n.a.	Département des Mines.
Total .....	14,477,161	362,595,070	

n.a. Not available.

World production of gold by countries,<sup>1</sup> 1974-76

[Troy ounces]

Country <sup>2</sup>	1974	1975	1976 <sup>p</sup>
North America:			
Canada .....	1,698,392	1,653,611	1,685,983
Costa Rica .....	18,000	<sup>c</sup> 18,000	<sup>c</sup> 9,600
Dominican Republic .....		195,488	413,788
El Salvador .....	<sup>3</sup> 6,022	<sup>3</sup> 8,713	<sup>3</sup> 3,007
Honduras .....	2,124	2,520	2,280
Mexico .....	134,454	144,710	162,811
Nicaragua .....	82,639	70,281	75,855
Panama .....	11	n.a.	n.a.
United States .....	1,126,886	1,052,252	1,048,037
South America:			
Argentina .....	6,534	11,867	<sup>c</sup> 12,000
Bolivia .....	<sup>r</sup> 43,272	53,218	28,797
Brazil .....	188,435	172,038	183,259
Chile .....	<sup>3</sup> 118,829	<sup>3</sup> 130,651	<sup>3</sup> 129,143
Colombia .....	265,195	308,864	297,861
Ecuador .....	7,752	8,157	11,615
French Guiana .....	1,125	2,443	2,797
Guyana .....	12,200	18,067	15,651
Peru .....	<sup>r</sup> 100,400	78,796	80,730
Surinam .....	406	141	39
Venezuela .....	<sup>r</sup> 16,966	<sup>3</sup> 18,326	14,500
Europe:			
Finland .....	20,737	22,216	26,299
France .....	40,542	47,004	50,991
Germany, West .....	1,315	2,116	<sup>c</sup> 2,250
Hungary <sup>c</sup> .....	320	300	290
Portugal .....	11,478	11,446	10,036
Romania <sup>c</sup> .....	60,000	60,000	60,000
Spain .....	<sup>r</sup> 223,351	124,584	<sup>c</sup> 270,000
Sweden .....	68,352	63,176	<sup>c</sup> 73,900
U.S.S.R. <sup>c</sup> .....	7,300,000	7,500,000	7,700,000
Yugoslavia .....	170,302	177,922	<sup>c</sup> 176,800
Africa:			
Angola .....	2,000	<sup>c</sup> 1,000	<sup>c</sup> 1,000
Burundi .....	360	368	426
Cameroon .....	<sup>3</sup> 64	<sup>3</sup> 96	<sup>3</sup> <sup>c</sup> 100
Central African Empire <sup>c</sup> .....	64	529	400
Congo, Republic of the .....	707	528	482
Ethiopia .....	15,754	19,981	30,000
Gabon .....	7,298	4,207	3,086
Ghana .....	<sup>r</sup> <sup>3</sup> 614,007	<sup>3</sup> 523,889	<sup>3</sup> 532,473
Kenya .....	<sup>r</sup> 214	108	33
Liberia .....	<sup>r</sup> <sup>c</sup> 3,000	4,500	<sup>c</sup> 4,500
Mali <sup>c</sup> .....	<sup>r</sup> 30	30	3,500
Malagasy Republic .....	77	158	<sup>c</sup> 160
Mauritania .....	<sup>c</sup> 52,000	<sup>c</sup> 42,000	22,120
Nigeria .....	<sup>r</sup> 6	8	<sup>c</sup> 10
Rhodesia, Southern <sup>c</sup> .....	800,000	800,000	800,000
Rwanda .....	<sup>3</sup> 643	<sup>3</sup> 425	<sup>3</sup> 936
South Africa, Republic of .....	24,388,203	22,937,820	22,935,988
Sudan .....	309	<sup>c</sup> 300	<sup>c</sup> 300
Tanzania .....	<sup>r</sup> <sup>4</sup> 71	<sup>4</sup> 48	<sup>4</sup> 10
Zaire .....	<sup>3</sup> 130,603	<sup>3</sup> 103,217	<sup>3</sup> 102,882
Zambia <sup>5</sup> .....	<sup>r</sup> <sup>c</sup> 8,500	<sup>c</sup> 8,500	10,955
Asia:			
Cambodia <sup>c</sup> .....	4,000	500	1,000
China, People's Republic of <sup>c</sup> .....	50,000	50,000	50,000
India .....	<sup>4</sup> 101,114	<sup>4</sup> 90,826	<sup>4</sup> 100,696
Indonesia .....	76,491	74,954	82,781
Japan <sup>6</sup> .....	<sup>r</sup> 139,719	143,503	137,669
Korea, North <sup>c</sup> .....	160,000	160,000	160,000
Korea, Republic of .....	<sup>4</sup> 23,792	<sup>4</sup> 13,343	<sup>4</sup> 18,744
Malaysia:			
Malaya .....	<sup>r</sup> 3,435	2,484	3,574
Sarawak .....	<sup>r</sup> 1,004	1,192	964
Philippines .....	<sup>r</sup> <sup>3</sup> 537,615	<sup>3</sup> 501,793	501,197
Taiwan .....	<sup>r</sup> 22,850	<sup>4</sup> 22,110	26,952

Footnotes at end of table.

**World production of gold by countries,<sup>1</sup> 1974-76—Continued**  
[Troy ounces]

Country <sup>2</sup>	1974	1975	1976 <sup>p</sup>
<b>Oceania:</b>			
Australia .....	r 512,611	526,821	497,693
British Solomon Islands Protectorate .....	873	804	6,000
Fiji .....	68,890	68,744	65,757
New Zealand .....	<sup>3</sup> 4,710	<sup>3</sup> 2,747	<sup>3</sup> 3,276
Papua New Guinea <sup>7</sup> .....	r 667,237	611,356	1,228,574
<b>Total</b> .....	r 40,124,290	38,675,796	39,882,557

e Estimate. p Preliminary. r Revised. n.a. Not available.

<sup>1</sup> Unless otherwise indicated, production is on the basis of mine output.

<sup>2</sup> Gold is also produced in Bulgaria and Czechoslovakia, and probably in small quantities in Burma, East Germany, Guinea, Thailand, and several other countries. However, available data are insufficient to make reliable output estimates. Data are lacking in clandestine activities.

<sup>3</sup> Figure reported as fine gold (i.e. almost pure).

<sup>4</sup> Figure reported as refined metal.

<sup>5</sup> Chiefly contained in blister copper and refinery muds; estimated level of output for all producers; previously reported figures at lower level did not include total national output.

<sup>6</sup> Refinery production from Japan was as follows: 1974—1,123,489 ounces; 1975—1,036,004 ounces; 1976—1,043,676 ounces.

<sup>7</sup> Bougainville Copper, Ltd., produced the following amounts: 1974—658,575 ounces; 1975—584,307 ounces. In addition, other mining operations produced the following amounts: 1974—8,662 ounces; 1975—27,049 ounces; 1976—578,423 ounces.

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

**World production of silver by countries,<sup>1</sup> 1974-76**  
[Thousands of troy ounces]

Country <sup>2</sup>	1974	1975	1976 <sup>p</sup>
<b>North and Central America:</b>			
Canada .....	42,810	39,695	40,887
Costa Rica .....	3	<sup>e</sup> 3	<sup>e</sup> 2
Dominican Republic .....		109	907
El Salvador .....	168	176	166
Guatemala .....	( <sup>3</sup> )	( <sup>3</sup> )	
Haiti <sup>e</sup> .....	20	20	20
Honduras .....	3,661	3,802	2,964
Mexico .....	37,546	38,029	42,640
Nicaragua .....	270	324	204
United States .....	33,762	34,938	34,328
<b>South America:</b>			
Argentina .....	r 3,101	2,283	1,750
Bolivia .....	<sup>4</sup> 5,385	<sup>4</sup> 5,470	5,091
Brazil .....	527	235	<sup>e</sup> 250
Chile .....	r 6,673	6,263	7,287
Colombia <sup>5</sup> .....	80	88	106
Ecuador .....	35	37	52
Peru .....	r 34,881	37,527	35,579
<b>Europe:</b>			
Bulgaria <sup>e</sup> .....	800	800	1,000
Czechoslovakia <sup>e</sup> .....	r 1,300	1,200	1,300
Finland <sup>5</sup> .....	810	744	773
France .....	r 1,690	1,502	2,806
Germany, East <sup>e</sup> .....	3,000	2,100	1,600
Germany, West .....	1,235	1,079	<sup>e</sup> 1,060
Greece <sup>5</sup> .....	575	480	477
Greenland <sup>e</sup> .....	390	380	375
Hungary .....	<sup>e</sup> 64	67	<sup>e</sup> 70
Ireland .....	1,980	1,384	925
Italy <sup>5</sup> .....	1,303	1,157	1,543
Poland <sup>e</sup> .....	r 5,800	7,400	8,000
Portugal .....	24	25	28
Romania <sup>e</sup> .....	1,100	1,500	1,300
Spain .....	4,099	3,447	3,107
Sweden .....	4,545	4,515	<sup>e</sup> 4,700
U.S.S.R. <sup>e 5</sup> .....	42,000	43,000	44,000
Yugoslavia .....	4,702	5,412	4,631

Footnotes at end of table.



World production of silver by countries,<sup>1</sup> 1974-76—Continued

[Thousands of troy ounces]

Country <sup>2</sup>	1974	1975	1976 <sup>p</sup>
<b>Africa:</b>			
Algeria <sup>e</sup> .....	r 130	120	150
Kenya .....	20	.....	.....
Mauritania .....	e 31	e 26	32
Morocco .....	3,064	2,894	e 2,300
Rhodesia, Southern <sup>6</sup> .....	156	156	103
South Africa, Republic of .....	2,699	3,084	2,821
South West Africa, Territory of <sup>7</sup> .....	r 1,904	1,823	e 1,400
Tanzania .....	( <sup>8</sup> )	( <sup>8</sup> )	( <sup>8</sup> )
Tunisia .....	136	292	252
Zaire .....	1,649	2,291	2,472
Zambia <sup>9</sup> .....	e r 1,100	e 1,000	1,065
<b>Asia:</b>			
Burma .....	722	775	211
China, People's Republic of <sup>e</sup> .....	800	800	800
India <sup>5</sup> .....	147	83	102
Indonesia .....	r 1,138	1,033	1,086
Japan .....	7,314	8,733	9,299
Korea, North <sup>e</sup> .....	700	1,600	1,600
Korea, Republic of .....	r 1,307	1,494	1,838
Philippines .....	r 1,734	1,620	1,481
Taiwan .....	33	6	1,000
<b>Oceania:</b>			
Australia .....	r 21,539	23,449	25,097
Fiji .....	27	26	20
New Zealand .....	2	e 2	1
Papua New Guinea .....	r 1,493	1,384	1,841
<b>Total</b> .....	r 292,184	297,882	304,899

e Estimate. p Preliminary. r Revised.

<sup>1</sup> Recoverable content of ores and concentrates produced unless otherwise noted.<sup>2</sup> In addition to the countries listed Ghana, Thailand, and Turkey produce silver, but information is inadequate to make reliable estimates of output levels.<sup>3</sup> Revised to zero.<sup>4</sup> Includes production by the State mining company (COMIBOL) plus the exports of medium and small (private sector) mines.<sup>5</sup> Smelter and/or refinery production.<sup>6</sup> Output of Inyati mine only.<sup>7</sup> Includes estimate for Klein Aub Koper Maatskappy Ltd.<sup>8</sup> Less than ½ unit.<sup>9</sup> Includes recovery from copper refinery sludges.

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

**World's monetary stocks of gold bullion and coin held at the end of  
calendar year 1976**

Country or international monetary institution	Fine troy ounces	Value at U.S. \$42.22 per fine troy ounce <sup>1</sup>
	<i>Thousands</i>	<i>Thousands</i>
United States of America <sup>2</sup> .....	274,713	\$11,598,000
Afghanistan.....	932	39,362
Argentina.....	3,996	168,694
Australia.....	7,364	310,912
Austria.....	20,880	881,545
Bahamas.....	4	181
Belgium.....	42,173	1,780,555
Bolivia.....	414	17,473
Brazil.....		
Canada.....	21,615	912,585
China, Republic of (Taiwan).....	2,234	94,336
Colombia.....	1,413	59,639
Costa Rica.....	60	2,540
Denmark.....	1,813	76,558
Ecuador.....	168	7,073
El Salvador.....	486	20,508
Ethiopia.....	275	11,590
Finland.....	864	36,479
France.....	101,023	4,265,197
Germany, Federal Republic of.....	117,613	4,965,624
Ghana.....	160	6,764
Greece.....	3,650	154,103
Guatemala.....	491	20,750
Haiti.....	2	65
Honduras.....	3	132
Iceland.....	30	1,260
India.....	2,526	106,641
Indonesia.....	57	2,426
Iran.....	3,799	160,406
Ireland, Republic of.....	447	18,877
Israel.....	1,103	46,572
Japan.....	21,110	891,254
Jordan.....	801	33,838
Korea.....	112	4,730
Kuwait.....	5,592	236,101
Lebanon.....	9,215	389,042
Libya.....	2,443	103,145
Malaysia.....	1,674	70,671
Mexico.....	1,602	67,617
Morocco.....		
Nepal.....	130	5,493
Netherlands.....	54,328	2,293,728
Netherlands Antilles.....	548	23,123
New Zealand.....	23	953
Nicaragua.....	17	717
Nigeria.....	571	24,126
Norway.....	979	41,323
Pakistan.....	1,585	66,927
Paraguay.....	2	99
Peru.....	1,003	42,346
Philippines.....	1,060	44,762
Portugal.....	27,674	1,168,392
Saudi Arabia.....	3,081	130,094
South Africa, Republic of.....	12,689	535,738
Spain.....	12,462	526,128
Surinam.....	148	6,232
Sweden.....	5,790	244,450
Switzerland.....	83,277	3,515,951
Thailand.....	2,340	98,807
Tunisia.....	129	5,464
Turkey.....	3,467	146,359
United Kingdom.....	20,983	885,898
Uruguay.....	3,544	149,608
Venezuela.....	11,179	471,958
Zaire.....		
International Monetary Fund <sup>3</sup> .....	149,514	6,312,493

<sup>1</sup> The monetary value of gold in the United States was U.S. \$42.22 per fine troy ounce on Dec. 31, 1976. The U.S. dollar was legally defined as 12.63157895 grains of gold nine-tenths fine.

<sup>2</sup> Consists of gold held by the U.S. Treasury.

<sup>3</sup> Approximate.

NOTE.—Data in this table are restricted to stocks of gold coin and bullion reported to the U.S. Mint. Gold stocks are also held by a number of countries from which data are not available to the U.S. Mint.

**World monetary stocks of silver bullion and coin held at the end of the  
calendar year 1976**

Country	Monetary unit	Exchange rate December 1976 <sup>1</sup>	Silver bullion		Silver coin	Total silver
			Fine troy ounces	Value <sup>2</sup>	Value <sup>3</sup>	Value
			<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
United States.....	Dollar.....	\$1.00000	<sup>4</sup> 39,707	\$172,631	n.a.	\$172,631
Afghanistan.....	Afghani.....	.02222	8,303	36,100	.....	36,100
Austria.....	Schilling.....	.05906	983	4,272	\$416,464	420,736
Bahamas.....	Dollar.....	1.00000	.....	.....	6,019	6,019
Belgium.....	Franc.....	.02748	2,713	11,796	37,648	49,444
Bolivia.....	Peso-Boliviano...	.05000	20	86	5,060	5,146
Brazil.....	Cruzeiro.....	.08100	n.a.	n.a.	.....	n.a.
Canada.....	Dollar.....	.98204	1,037	4,507	499,545	504,052
China, Republic of..	NT Dollar.....	.02632	2,011	8,742	7	8,749
Colombia.....	Peso.....	.02742	38	168	.....	168
Dominican Republic.	RD Peso.....	1.00000	.....	.....	30	30
El Salvador.....	Colon.....	.40000	.....	.....	2,208	2,208
Ethiopia.....	Birr.....	.47950	n.a.	335	12,091	12,426
Fiji.....	Dollar.....	1.06210	.....	.....	163	163
Finland.....	Markka.....	.26315	2,447	10,640	14,500	25,140
France.....	Franc.....	.20055	.....	.....	416,271	416,271
Germany, Federal Republic of.	Deutsche Mark..	.41965	5,589	24,299	657,172	681,471
Ghana.....	Cedi.....	.86960	.....	.....	23	23
Greece.....	Drachma.....	.02700	3,618	15,730	n.a.	15,730
Guatemala.....	Quetzal.....	1.00000	1,121	4,876	3,223	8,099
Haiti.....	Gourde.....	.20000	.....	.....	190	190
Honduras.....	Lempira.....	.50000	.....	.....	2,823	2,823
India.....	Rupee.....	.11296	3,749	16,298	.....	16,298
Ireland.....	Pound.....	1.67840	.....	.....	1,551	1,551
Israel.....	Pound.....	.11426	.....	.....	3,845	3,845
Italy.....	Lira.....	.00115	n.a.	n.a.	n.a.	n.a.
Japan.....	Yen.....	.00339	3,381	14,697	231,630	246,327
Korea.....	Won.....	.00207	27	116	.....	116
Lebanon.....	Pound.....	.34130	.....	.....	10,548	10,548
Luxembourg.....	Franc.....	.02779	.....	.....	417	417
Malaysia.....	Ringgit.....	.39550	.....	.....	n.a.	n.a.
Mexico.....	Peso.....	.04863	4,937	21,465	70,380	91,845
Morocco.....	Dirham.....	.22300	.....	.....	n.a.	n.a.
Nepal.....	Rupee.....	.08000	4,537	19,726	.....	19,726
Netherlands.....	Guilder.....	.40240	220	955	42,668	43,623
Netherlands Antilles.	Guilder.....	.55555	.....	.....	3,630	3,630
Norway.....	Krone.....	.19193	167	726	9,767	10,493
Pakistan.....	Rupee.....	.10069	38	167	5	172
Paraguay.....	Guarani.....	.00794	.....	.....	333	333
Peru.....	Sol.....	.01442	.....	.....	121	121
Philippines.....	Piso.....	.13444	104	451	12,186	12,637
Portugal.....	Escudo.....	.03167	1,653	7,187	16,975	24,162

Footnotes at end of table.



**World monetary stocks of silver bullion and coin held at the end of the  
calendar year 1976—Continued**

Country	Monetary unit	Exchange rate December 1976 <sup>1</sup>	Silver bullion		Silver coin	Total silver
			Fine troy ounces	Value <sup>2</sup>	Value <sup>3</sup>	Value
			<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Rwanda.....	Franc .....	.01077	.....	.....	2,094	2,094
Saudi Arabia.....	Riyal.....	.28329	.....	.....	4,289	4,289
Singapore.....	Dollar.....	.40725	.....	.....	3,014	3,014
South Africa.....	Rand.....	1.14950	1,432	6,226	16,786	23,012
Spain.....	Peseta.....	.01463	.....	.....	145	145
Sri Lanka.....	SL Rupee.....	.11246	.....	.....	n.a.	n.a.
Sweden.....	Krona.....	.24051	2,005	8,719	130,587	139,306
Switzerland.....	Franc .....	.40823	6,571	28,568	.....	28,568
Thailand.....	Baht.....	.04902	2,842	12,356	4,412	16,768
Trinidad and Tobago	T and T Dollar.	.41667	.....	.....	4,000	4,000
Turkey.....	Lira .....	.06001	.....	.....	418	418
United Kingdom.....	Pound.....	1.67840	.....	.....	10,070	10,070
Venezuela.....	Bolivar.....	.23296	.....	.....	67,393	67,393
Total.....	.....	.....	99,250	431,839	2,720,701	3,152,540

<sup>1</sup> U.S. dollars per unit of foreign currency. For the following 21 countries, the average December 1976 exchange rates for foreign currencies are based on the daily rate certified to the Secretary of the Treasury by the Federal Reserve Bank of New York: Austria, Belgium and Luxembourg, Canada, France, Germany, India, Ireland, Italy, Japan, Malaysia, Mexico, Netherlands, Norway, Portugal, South Africa, Spain, Sri Lanka, Sweden, Switzerland, and the United Kingdom. For other countries they are the end-of-year rates as established with the International Monetary Fund.

<sup>2</sup> The U.S. dollar value of silver bullion is based on the daily New York open market quotations for the month of December 1976. The December 1976 average is U.S. \$4.34762 per troy ounce 999/1000 commercial fineness.

<sup>3</sup> The U.S. dollar value for foreign silver coin is based on the nominal face value in the country of issue and the exchange rate shown.

<sup>4</sup> Silver bullion held by the U.S. Mint.

n.a. Not available.



## FAO Coin Issues

The following pages contain the listing of FAO national coins issued through December 1976 and illustrations of the coins, made available by the Food and Agriculture Organization of the United Nations, Rome, Italy.



Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Africa, West: 50 francs.....	French Government Mint, Paris.	20,000,000	.....	1972	75% copper, 25% nickel.....	5.00	22.00	1.86 <i>mm.</i>
Algeria: 1 dinar.....	Kremnica, Czechoslovakia....	75,000,000	.....	1972	.....do.....	7.00	25.00	2.10
20 centimes.....	do.....	50,000,000	.....	1972	79% copper, 20% zinc, 1% nickel.	4.00	22.00	2.50
5 centimes.....	do.....	40,000,000	.....	1970	Aluminum.....	1.50	22.00	2.170
Do.....	do.....	10,000,000	.....	1973	.....do.....	1.50	22.00	2.170
Bahrain: 250 fils.....	Royal Mint, London.....	50,000	.....	1969	75% copper, 25% nickel.....	15.00	32.00	2.40
Bangladesh: 1 taka.....	Chartered Industries, Singapore.	1,000,000	.....	1975	Cupronickel.....	6.00	26.00	n.a.
25 poisha.....	Berlin, Germany.....	5,000,000	.....	1974	Stainless steel.....	2.65	19.00	(1)
Do.....	do.....	6,000,000	.....	1975	.....do.....	2.50	19.00	n.a.
Do.....	do.....	5,000,000	.....	1976	.....do.....	2.50	19.00	n.a.
10 poisha.....	do.....	5,000,000	.....	1974	Aluminum.....	2.00	24.00	(3)
Do.....	do.....	4,000,000	.....	1975	.....do.....	1.80	24.00	n.a.
Do.....	do.....	5,000,000	.....	1976	.....do.....	1.80	24.00	n.a.
5 poisha.....	do.....	5,000,000	.....	1974	.....do.....	1.40	22.50	(2)
Do.....	do.....	3,000,000	.....	1975	.....do.....	1.20	22.50	n.a.
Do.....	do.....	5,000,000	.....	1976	.....do.....	1.20	22.50	n.a.
Bhutan: 30 ngultrums.....	India Government Mint, Bombay.	14,000	.....	1975	500 silver.....	25.00	39.00	n.a.
15 ngultrums.....	do.....	30,000	.....	1974	.....do.....	22.50	39.00	(1)
20 chetrums.....	do.....	1,000,000	.....	1974	92% copper, 6% aluminum, 2% nickel.	4.50	22.00	(1)
10 chetrums.....	do.....	4,000,000	.....	1975	Aluminum.....	2.30	26.00	n.a.
Bolivia: 1 peso-boliviano.....	Germany.....	25,000	.....	1968	95% steel, 5% nickel.....	6.00	27.00	1.55
Botswana: 1 pula.....	Royal Mint, London.....	166,000	.....	1976	Cupronickel.....	10.30	29.50	n.a.
50 thebe.....	do.....	266,000	.....	1976	.....do.....	11.30	28.50	n.a.
25 thebe.....	do.....	1,500,000	.....	1976	.....do.....	5.73	25.00	n.a.

10 thebe	.....do.....	.....	1,500,000	.....	1976	.....do.....	3.83	22.00	n.a.
5 thebe	.....do.....	.....	3,000,000	.....	1976	Brnze	2.70	19.50	n.a.
1 thebe	.....do.....	.....	15,000,000	.....	1976	Aluminum	.70	18.50	n.a.
Brazil:									
5 centavos	Rio de Janeiro	.....	44,500,000	.....	1975	Steel	2.69	21.00	n.a.
Do	do	.....	134,267,000	.....	1976	do	2.69	21.00	n.a.
2 centavos	do	.....	31,400,000	.....	1975	do	2.21	19.00	n.a.
Do	do	.....	18,754,000	.....	1976	do	2.21	19.00	n.a.
1 centavo	do	.....	31,700,000	.....	1975	do	1.77	17.00	n.a.
Do	do	.....	18,355,000	.....	1976	do	1.77	17.00	n.a.
Burma:									
1 kyat	Rangoon	.....	20,000,000	.....	1975	Cupronickel	6.00	26.40	n.a.
Burundi:									
10 francs	Royal Mint, London	.....	2,000,000	.....	1968	75% copper, 25% nickel	8.00	28.00	1 1.80
Do	do	.....	2,000,000	.....	1971	do	8.00	28.00	1 1.80
Caribbean, East:									
Antigua:									
4 dollars	do	.....	13,500	2,000	1971	do	28.28	36.60	1 3.00
Barbados:									
4 dollars	do	.....	30,000	2,000	1971	do	28.28	39.60	1 3.00
Dominica:									
4 dollars	do	.....	13,000	2,000	1971	do	28.28	36.60	1 3.00
Grenada:									
4 dollars	do	.....	13,000	2,000	1971	do	28.28	36.60	1 3.00
Montserrat:									
4 dollars	do	.....	13,000	2,000	1971	do	28.28	36.60	1 3.00
St. Kitts-Nevis-Anguilla:									
4 dollars	do	.....	13,000	2,000	1971	do	28.28	36.60	1 3.00
St. Lucia:									
4 dollars	do	.....	13,000	2,000	1971	do	28.28	36.60	1 3.00
St. Vincent:									
4 dollars	do	.....	13,000	2,000	1971	do	28.28	36.60	1 3.00
Ceylon:									
2 rupees	do	.....	500,000	.....	1968	do	12.30	31.50	1 2.00
China, Republic of:									
1 dollar	Central Mint, Taipei	.....	10,000,000	.....	1969	55% copper, 27% zinc, 18% nickel	6.00	25.00	1 1.60
Cyprus:									
500 mils	Royal Mint, London	.....	80,000	.....	1970	75% copper, 25% nickel	22.60	36.07	2 2.57
Do	do	.....	.....	5,000	1970	800 silver, 200 other	22.60	36.07	2 2.57
Dominican Republic:									
1 centavo	do	.....	5,000,000	.....	1969	95% copper, 4.5% tin, 0.5% zinc	3.00	19.00	2 1.60

Footnotes at end of table.

## FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1976—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Gambia: 1 Butut . . . . .	Royal Mint, London . . . . .	6,500,000	.....	1974	97% copper, 2.5% zinc, 0.5% tin.	1.78	17.15	<sup>2</sup> n.a.
Guyana: 1 dollar . . . . .	.....do . . . . .	500,000	5,000	1970	75% copper, 25% nickel . . . . .	19.00	35.56	<sup>1</sup> 2.50
Haiti: 50 centimes . . . . .	U.S. Assay Office, San Francisco.	600,000	.....	1972	.....do . . . . .	9.88	29.00	<sup>2</sup> 1.90
Do . . . . .	.....do . . . . .	1,200,000	.....	1975	70% copper, 18% zinc, 12% nickel.	9.88	29.00	<sup>2</sup> 1.90
20 centimes . . . . .	.....do . . . . .	1,500,000	.....	1972	.....do . . . . .	7.50	26.00	<sup>2</sup> 1.90
Do . . . . .	.....do . . . . .	4,000,000	.....	1975	.....do . . . . .	7.50	26.00	<sup>2</sup> 1.90
10 centimes . . . . .	.....do . . . . .	12,000,000	.....	1975	.....do . . . . .	4.00	22.10	<sup>2</sup> 1.40
5 centimes . . . . .	.....do . . . . .	16,000,000	.....	1975	.....do . . . . .	2.75	19.90	<sup>2</sup> 1.30
Honduras: 50 centavos . . . . .	.....do . . . . .	4,400,000	.....	1973	75% copper, 25% nickel . . . . .	5.67	24.00	<sup>1</sup> 2.00
India: 50 rupees . . . . .	India Government Mint, Bombay.	82,053	.....	1974	Silver (500 fine) . . . . .	35.00	44.00	( <sup>1</sup> )
Do . . . . .	.....do . . . . .	64,822	.....	1975	.....do . . . . .	35.00	44.00	n.a.
Do . . . . .	.....do . . . . .	41,683	.....	1976	.....do . . . . .	35.00	44.00	n.a.
20 rupees . . . . .	.....do . . . . .	64,377	12,423	1973	.....do . . . . .	30.00	44.00	<sup>1</sup> 2.60
10 rupees . . . . .	India Government Mints, Bombay and Calcutta.	406,350	3,046	1970	800 silver, 200 copper . . . . .	15.00	34.00	<sup>1</sup> 2.15
Do . . . . .	.....do . . . . .	19,600	5,969	1971	.....do . . . . .	15.00	34.00	<sup>1</sup> 2.15
Do . . . . .	India Government Mint, Bombay.	63,730	14,952	1973	Silver (500 fine) . . . . .	22.50	39.00	<sup>1</sup> 2.40
Do . . . . .	.....do . . . . .	65,432	.....	1974	Cupronickel . . . . .	25.00	39.00	<sup>1</sup> n.a.
Do . . . . .	.....do . . . . .	48,500	.....	1975	.....do . . . . .	25.00	39.00	<sup>1</sup> n.a.
Do . . . . .	.....do . . . . .	41,670	.....	1976	.....do . . . . .	25.00	39.00	n.a.
50 paise . . . . .	.....do . . . . .	47,086,000	10,889	1973	.....do . . . . .	4.50	24.00	<sup>1</sup> 1.80
20 paise . . . . .	India Government Mints, Bombay and Calcutta.	10,172,500	3,046	1970	92% copper, 6% aluminum, 2% nickel.	4.50	22.00	<sup>1</sup> 1.85
Do . . . . .	.....do . . . . .	59,600	4,375	1971	.....do . . . . .	4.50	22.00	<sup>1</sup> 1.85



10 paise.....	.....do.....	369,167,500	.....	1974	Aluminum.....	2.30	26.00	<sup>4</sup> 2.25
Do.....	.....do.....	142,500,000	.....	1975	.....do.....	2.30	26.00	<sup>4</sup> 2.25
Do.....	.....do.....	50,000,000	.....	1976	.....do.....	2.30	26.00	n.a.
5 paise.....	.....do.....	160,000,000	.....	1976	.....do.....	1.50	22.00	n.a.
Indonesia:								
10 rupiah.....	Djakarta.....	286,360,000	.....	1971	75% copper, 25% nickel.....	1.80	16.00	<sup>1</sup> 1.00
Do.....	.....do.....	166,000,000	.....	1974	90% brass clad steel.....	4.00	22.00	<sup>2</sup> 1.60
5 rupiah.....	.....do.....	200,000,000	.....	1974	Aluminum.....	3.10	28.50	<sup>2</sup> 1.78
Iran:								
20 rials.....	Imperial Iranian Mint, Tehran.....	5,000,000	.....	1976	75% copper, 25% nickel.....	8.50	31.00	n.a.
10 rials.....	.....do.....	150,000	.....	1969	.....do.....	7.00	28.00	<sup>1</sup> 1.33
1 rial.....	.....do.....	8,605,000	.....	1972	.....do.....	1.75	18.50	<sup>1</sup> 1.10
Do.....	.....do.....	1,395,000	.....	1973	.....do.....	1.75	18.50	<sup>1</sup> 1.10
Do.....	.....do.....	2,000,000	.....	1974	.....do.....	1.75	18.50	<sup>1</sup> 1.10
Do.....	.....do.....	1,000,000	.....	1975	.....do.....	1.75	18.50	<sup>1</sup> 1.10
Iraq:								
250 fils.....	Royal Mint, London.....	500,000	1,000	1970	Pure nickel.....	15.00	33.00	<sup>4</sup> 2.40
10 fils.....	.....do.....	1,000,000	.....	1975	Chrome steel.....	5.75	26.00	n.a.
5 fils.....	.....do.....	2,000,000	.....	1975	.....do.....	4.00	22.00	n.a.
Jamaica:								
20 cents.....	.....do.....	3,000,000	.....	1976	Cupronickel.....	11.31	28.50	n.a.
1 cent.....	.....do.....	645,000	.....	1971	97% copper, 2.5% zinc, 0.5% tin.....	4.10	21.10	<sup>2</sup> 1.70
Do.....	.....do.....	5,000,000	.....	1972	.....do.....	4.10	21.10	<sup>2</sup> 1.70
Do.....	.....do.....	5,500,000	.....	1973	.....do.....	4.10	21.10	<sup>2</sup> 1.70
Do.....	.....do.....	3,000,000	.....	1974	.....do.....	4.10	21.10	<sup>2</sup> 1.70
Do.....	.....do.....	15,000,000	.....	1975	Aluminum.....	.70	21.10	n.a.
Do.....	.....do.....	16,000,000	.....	1976	.....do.....	.70	21.10	n.a.
Jordan:								
250 fils.....	.....do.....	60,000	.....	1969	75% copper, 25% nickel.....	17.00	34.00	<sup>1</sup> 2.40
Korea:								
50 won.....	Korean Mint, Pusan.....	6,000,000	.....	1972	70% copper, 18% zinc, 12% nickel.....	4.16	21.60	<sup>1</sup> 1.60
Do.....	.....do.....	40,000,000	.....	1973	.....do.....	4.16	21.60	<sup>1</sup> 1.60
Do.....	.....do.....	30,000,000	.....	1974	.....do.....	4.16	21.60	<sup>1</sup> 1.60
Lebanon:								
1 pound.....	Sherritt Mint, Canada.....	300,000	.....	1968	Pure nickel.....	9.50	28.00	<sup>1</sup> 1.70
Liberia:								
25 cents.....	Royal Mint, London.....	800,000	.....	1976	Cupronickel.....	4.49	23.00	n.a.

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1976—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Madagascar:								
20 francs.....	French Government Mint, Paris.	15,000,000	.....	1970	92% copper, 6% aluminum 2% nickel.	6.00	24.50	<sup>2</sup> 1.70
10 francs.....	do.....	25,000,000	.....	1970	.....do.....	3.50	21.00	<sup>2</sup> 1.70
Mali:								
100 francs.....	do.....	23,000,000	.....	1975	Aluminum-bronze.....	8.00	27.85	n.a.
50 francs.....	do.....	10,000,000	.....	1975	.....do.....	4.00	23.50	n.a.
Malta:								
3 scudi.....	Order of Malta Mint, Rome.	.....	27,000	1968	Silver (800 fine).....	10.00	33.00	<sup>1</sup> 1.40
2 tari.....	do.....	.....	27,000	1968	Bronze.....	10.00	33.00	<sup>1</sup> 1.60
Morocco:								
5 dirham.....	Royal Mint, London.....	500,000	.....	1975	Cupronickel.....	12.00	29.00	n.a.
10 centimes.....	do.....	40,000,000	.....	1974	92% copper, 6% aluminum, 2% nickel.	3.00	20.00	<sup>1</sup> 1.90
5 centimes.....	do.....	30,000,000	.....	1974	.....do.....	2.00	17.50	<sup>2</sup> 1.40
Nepal:								
20 rupees.....	Kathmandu.....	50,000	.....	1975	500 silver.....	15.00	33.00	n.a.
10 rupees.....	do.....	538,850	.....	1968	Silver (600 fine).....	15.50	32.00	<sup>1</sup> 2.10
Do.....	do.....	38,529	.....	1974	250 silver.....	8.00	29.00	n.a.
1 rupee.....	do.....	1,500,000	.....	1975	Cupronickel.....	7.00	26.50	n.a.
10 paise.....	do.....	2,017,168	.....	1971	66% copper, 34% zinc.....	4.00	21.00	<sup>2</sup> 1.34
Do.....	do.....	2,500,000	.....	1975	Brass.....	2.20	18.50	n.a.
Do.....	do.....	10,000,000	.....	1976	.....do.....	2.20	18.50	n.a.
5 paise.....	do.....	4,583,691	.....	1974	Aluminum.....	1.20	20.50	<sup>2</sup> 1.31
Nicaragua:								
10 centavos.....	Royal Mint, London.....	2,000,000	.....	1974	.....do.....	1.20	20.00	n.a.
5 centavos.....	do.....	2,000,000	.....	1974	.....do.....	1.50	21.50	n.a.
Oman:								
10 baiza.....	do.....	3,000,000	.....	1975	Bronze.....	4.76	22.48	n.a.
Pakistan:								
10 paise.....	Pakistan Mint, Lahore.....	18,640,000	.....	1974	Aluminum.....	1.60	22.00	<sup>3</sup> 1.35
Do.....	do.....	28,875,000	.....	1975	.....do.....	1.60	22.00	n.a.
Do.....	do.....	43,755,000	.....	1976	.....do.....	1.60	22.00	n.a.
5 paise.....	do.....	23,395,000	.....	1974	.....do.....	1.25	21.00	<sup>2</sup> 1.30
Do.....	do.....	50,030,000	.....	1975	.....do.....	1.25	21.00	n.a.
Do.....	do.....	58,255,000	.....	1976	.....do.....	1.25	21.00	n.a.

2 paisa.....	do.....	3,600,000	.....	1974	.....do.....	1.00	19.50	<sup>2</sup> 1.45
Do.....	do.....	4,020,000	.....	1975	.....do.....	1.00	19.50	n.a.
Do.....	do.....	5,750,000	.....	1976	.....do.....	1.00	19.50	n.a.
1 paisa.....	do.....	14,230,000	.....	1974	.....do.....	.75	17.00	<sup>2</sup> 1.25
Do.....	do.....	43,000,000	.....	1975	.....do.....	.75	17.00	n.a.
Do.....	do.....	49,180,000	.....	1976	.....do.....	.75	17.00	n.a.
Panama:								
5 balboas.....	United States Assay Office, San Francisco.	70,000	10,000	1972	925 silver, 75 copper.....	35.12	39.00	<sup>1</sup> 3.20
2½ centesimos.....	U.S. Mint, Philadelphia.....	2,000,000	.....	1973	3-layer composite: outer cladding, 75% copper, 25% nickel bonded to core of pure copper.	1.63	15.00	<sup>1</sup> 1.35
Do.....	do.....	1,000,000	.....	1975	.....do.....	1.63	15.00	<sup>1</sup> 1.35
Philippines:								
25 pisos.....	Franklin Mint, United States	23,826	9,901	1976	500 silver.....	25.00	38.00	n.a.
Poland:								
10 zlotych (fish).....	Polish Government Mint, Warsaw.	2,000,000	.....	1971	Cupronickel.....	9.50	28.00	<sup>1</sup> 2.00
Do (baby).....	do.....	52,300	.....	1971	.....do.....	9.50	28.00	<sup>1</sup> 2.00
Do (globe).....	do.....	51,700	.....	1971	.....do.....	9.50	28.00	<sup>1</sup> 2.00
Rwanda:								
200 francs.....	Royal Mint, London.....	30,000	.....	1972	800 silver, 200 copper.....	18.00	32.00	<sup>2</sup> 2.60
2 francs.....	do.....	5,000,000	.....	1970	Aluminum alloy.....	1.50	23.50	<sup>3</sup> 2.00
San Marino:								
20 lire.....	Italian Government Mint, Rome.	1,290,697	.....	1975	Aluminum bronze.....	3.60	21.30	n.a.
10 lire.....	do.....	1,270,000	.....	1974	96.2% aluminum, 3.5% mag- nesium, 0.3% manganese.	1.60	23.30	<sup>2</sup> 1.60
5 lire.....	do.....	790,697	.....	1976	.....do.....	1.02	20.30	n.a.
Saudi Arabia:								
50 halala.....	Pakistan Mint, Lahore.....	500,000	.....	1972	75% copper, 25% nickel.....	6.50	26.00	<sup>1</sup> 1.70
25 halala.....	do.....	200,000	.....	1973	.....do.....	5.00	23.00	<sup>1</sup> 1.60
Sierra Leone:								
2 leones.....	Royal Mint, London.....	20,000	.....	1976	Cupronickel.....	13.50	30.00	n.a.
Seychelles:								
5 cents.....	do.....	2,200,000	.....	1972	Aluminum alloy.....	.78	17.01	<sup>2</sup> 1.70
Do.....	do.....	600,000	.....	1975	.....do.....	.78	17.01	<sup>3</sup> 1.70
1 cent.....	do.....	2,350,000	.....	1972	.....do.....	.70	16.60	<sup>1</sup> .91
Singapore:								
5 cents.....	Chartered Industries of Singapore.	3,049,046	.....	n.a.	99.5% aluminum.....	1.24	21.23	<sup>2</sup> 1.27

Footnotes at end of table.



## FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1976—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Somalia:						Grams	mm.	mm.
5 shillings .....	Royal Mint, London.....	100,000	1,000	1970	75% copper, 25% nickel.....	28.00	38.00	<sup>1</sup> 3.00
1 shilling .....	do.....	10,020,000	.....	1976	do.....	6.20	25.50	n.a.
50 senti .....	do.....	5,040,000	.....	1976	do.....	3.80	21.10	n.a.
10 senti .....	do.....	20,500,000	.....	1976	Aluminum .....	1.40	22.50	n.a.
5 senti .....	do.....	11,000,000	.....	1976	do.....	.90	19.05	n.a.
Sudan:								
50 piastres .....	Khartoum Mint .....	1,000,000	.....	1973	75% copper, 25% nickel.....	22.45	40.00	<sup>1</sup> 2.10
25 piastres .....	do.....	.....	24,035	1968	do.....	15.50	32.00	<sup>1</sup> 2.10
10 piastres .....	do.....	500,000	.....	1976	do.....	10.00	27.70	n.a.
5 piastres .....	do.....	500,000	.....	1976	do.....	5.00	23.60	n.a.
2 piastres .....	do.....	500,000	.....	1976	do.....	3.00	20.00	n.a.
10 milliemmes.....	do.....	3,000,000	.....	1976	Brass.....	4.50	25.50	n.a.
5 milliemmes.....	do.....	6,000,000	.....	1972	95% copper, 4% tin, 1% zinc.	3.24	21.20	<sup>2</sup> 1.15
Do.....	do.....	9,000,000	.....	1973	do.....	3.24	21.20	<sup>1</sup> 1.15
Do.....	do.....	3,000,000	.....	1976	Brass.....	3.00	19.00	n.a.
Swaziland:								
1 lilangeni .....	Royal Mint, London.....	100,000	.....	1975	Cupronickel .....	11.50	30.00	n.a.
Do.....	do.....	100,000	.....	1976	do.....	11.50	30.00	n.a.
10 cents.....	do.....	1,500,000	.....	1975	do.....	3.63	22.00	n.a.
2 cents.....	do.....	1,500,000	.....	1975	Bronze.....	2.79	18.60	n.a.
1 cent.....	do.....	2,500,000	.....	1975	do.....	2.05	17.80	n.a.
Syria:								
1 pound .....	Sherritt Mint, Canada .....	500,000	.....	1968	Pure nickel.....	7.50	27.00	<sup>1</sup> 1.50
Do.....	German State Mint, Karlsruhe.	500,000	.....	1976	do.....	7.50	27.00	n.a.
50 piastres .....	do.....	1,000,000	.....	1976	do.....	5.00	23.50	n.a.
25 piastres .....	do.....	1,000,000	.....	1976	do.....	3.50	20.30	n.a.
10 piastres .....	do.....	500,000	.....	1976	Brass.....	4.00	21.00	n.a.
5 piastres .....	Sherritt Mint, Canada .....	15,000,000	.....	1971	70% copper, 30% zinc.....	4.20	19.00	<sup>1</sup> 1.50
Do.....	German State Mint, Karlsruhe.	2,000,000	.....	1976	Brass.....	3.00	19.00	n.a.

Tanzania:		Royal Mint, London.....	1,000,000	.....	1971	75% copper, 25% nickel.....	13.60	33.00	2.30
	5 shilingi .....	do.....	8,000,000	.....	1972	do.....	13.60	33.00	2.30
	Do.....	do.....	5,000,000	.....	1973	do.....	13.60	33.00	2.30
Thailand:									
	1 baht .....	Royal Mint of Thailand .....	9,000,000	.....	1972	Cupronickel .....	7.50	27.00	12.00
Tonga:									
	2 pa'anga .....	Royal Australian Mint, Canberra.	13,000	.....	1975	do.....	42.12	45.01	n.a.
	1 pa'anga .....	do.....	13,000	.....	1975	do.....	23.98	38.74	n.a.
	50 seniti.....	do.....	40,000	.....	1975	do.....	14.58	31.65	n.a.
	20 seniti.....	do.....	75,000	.....	1975	do.....	11.31	28.54	n.a.
	10 seniti.....	do.....	75,000	.....	1975	do.....	5.66	23.60	n.a.
	5 seniti.....	do.....	100,000	.....	1975	do.....	2.83	19.41	n.a.
	2 seniti.....	do.....	400,000	.....	1975	Bronze.....	3.89	21.08	n.a.
	1 seniti.....	do.....	1,000,000	.....	1975	do.....	2.59	17.53	n.a.
Trinidad and Tobago:									
	1 dollar.....	Sheritt Mint, Canada .....	250,000	.....	1969	Pure nickel.....	12.63	32.00	11.75
Tunisia:									
	1 dinar.....	French Government Mint, Paris.	100,000	.....	1970	680 silver, 320 copper.....	18.00	32.00	12.50
Turkey:									
	5 lira.....	Turkish Government Mint, Istanbul.	17,000	.....	1976	Chrome/steel .....	11.00	32.70	n.a.
	2½ lira.....	do.....	200,000	.....	1970	do.....	9.00	30.00	1.65
	10 kurus .....	do.....	1,090,000	.....	1971	97% copper, 2.5% zinc, 0.5% tin.	3.50	21.00	1.50
	Do.....	do.....	500,000	.....	1972	do.....	3.50	21.00	1.50
	Do.....	do.....	605,000	.....	1974	Aluminum .....	1.35	21.00	1.50
	Do.....	do.....	1,000,000	.....	1975	do.....	1.30	21.00	1.50
	Do.....	do.....	17,000	.....	1976	do.....	1.30	21.00	n.a.
	5 kuras .....	do.....	1,000,000	.....	1975	do.....	.90	17.00	n.a.
	Do.....	do.....	17,000	.....	1976	do.....	.90	17.00	n.a.
Uganda:									
	5 shillings .....	Royal Mint, London.....	100,000	5,000	1968	75% copper, 25% nickel.....	28.00	38.00	13.00
United Arab Emirates:									
	5 fils.....	do.....	8,200,000	.....	1973	Bronze.....	3.80	22.00	n.a.
	1 fil.....	do.....	4,000,000	.....	1973	do.....	1.50	15.00	n.a.

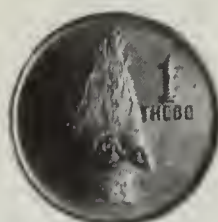
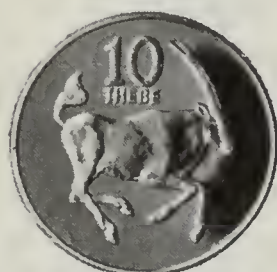
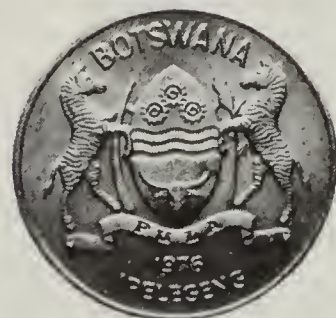
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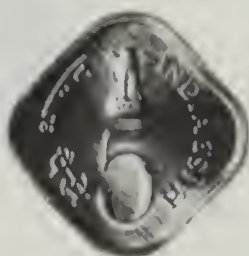
FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1976—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
United Arab Republic:						Grams	mm.	mm.
1 pound .....	Mint House, Cairo.....	50,000	.....	1973	720 silver.....	25.00	40.00	<sup>1</sup> 2.65
Do.....	do.....	50,000	.....	1976	do.....	15.00	35.00	n.a.
10 piastres .....	do.....	500,000	.....	1970	Cupronickel .....	5.50	27.00	<sup>1</sup> 1.35
Do.....	do.....	2,000,000	.....	1975	do.....	5.50	27.00	n.a.
5 piastres .....	do.....	2,000,000	.....	1975	do.....	4.50	25.00	n.a.
10 milliemmes .....	do.....	10,000,000	.....	1975	Brass.....	3.20	21.00	n.a.
Do.....	do.....	10,000,000	.....	1976	do.....	3.20	21.00	n.a.
5 milliemmes .....	do.....	10,000,000	.....	1973	Aluminum .....	1.50	21.00	<sup>1</sup> 2.00
Do.....	do.....	10,000,000	.....	1975	Brass.....	2.00	18.00	n.a.
Uruguay:								
1000 pesos .....	Chilean Government Mint, Santiago.....	500,000	.....	1969	900 silver.....	25.00	37.00	<sup>5</sup> 2.60
Do.....	do.....	11,000	.....	1969	Bronze.....	22.00	37.00	<sup>5</sup> 2.60
Vatican City:								
500 lire.....	Italian Government Mint, Rome.....	110,000	.....	1968	835 silver, 165 copper.....	11.00	29.00	<sup>4</sup> 2.00
100 lire.....	do.....	315,000	.....	1968	Steel containing 18% chrome.....	8.00	27.80	<sup>1</sup> 2.00
50 lire.....	do.....	190,000	.....	1968	do.....	6.25	24.80	<sup>1</sup> 2.00
20 lire.....	do.....	105,000	.....	1968	92% copper, 6% aluminum, 2% nickel.....	3.60	21.30	<sup>1</sup> 1.60
10 lire.....	do.....	110,000	.....	1968	96.2% aluminum, 3.5% magnesium, 0.3% manganese.....	1.60	23.30	<sup>2</sup> 1.60
5 lire.....	do.....	100,000	.....	1968	do.....	1.00	20.20	<sup>2</sup> 1.50
2 lire.....	do.....	100,000	.....	1968	do.....	.80	18.30	<sup>1</sup> 1.40
1 lira.....	do.....	100,000	.....	1968	do.....	.63	17.20	<sup>2</sup> 1.20









India



Jamaica



Philippines





San Marino



Sierra Leone



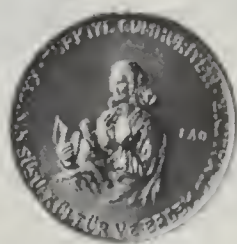
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